

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

May 9, 2018

Linda Obrestad Regulatory Analyst Valent U.S.A. LLC 1600 Riviera Ave., Suite 200 Walnut Creek, CA 94596

Subject: PRIA Label Amendment – New Uses and Crop Group Conversions for almond,

hulls; brassica, leafy greens, subgroup 4-16B; leaf petiole vegetable subgroup 22B; leafy greens subgroup 4-16A; nut, tree, group 14-12; okra; onion, green, subgroup 3-07B; stalk and stem vegetable subgroup 22A; vegetable, brassica, head and stem, group 5-16; and vegetable, fruiting, group 8-10, except okra

Product Name: Select 2EC Herbicide EPA Registration Number: 59639-3 Application Date: 07/29/2016

Decision Number: 521252 & 521251

Dear Ms. Obrestad:

The application referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended is acceptable under FIFRA sec 3 (c)(5). You must submit and/or cite all data required for registration/registration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Lisa Pahel by phone at (703) 347-0459, or via email at pahel.lisa@epa.gov.

Sincerely,

Rachel C. Holloman

Rachel C. Holloman, Chief Fungicide & Herbicide Branch,

Registration Division,

Office of Pesticide Programs

Enclosure: Human Health Aggregate Risk Assessment dated 3/5/2018, DP436746 & 349749; Drinking Water Assessment dated 2/14/2017, DP436756; and New Use Memo dated 2/14/2017, DP436622



CLETHODIM GROUP 1 HERBICIDE

## ACCEPTED

05/09/2018

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under

EPA Reg. No. 59639-3

[Bracketed text is optional]

## SELECT® 2 EC HERBICIDE

Active Ingredient	By Wt.
*Clethodim	
Other Ingredients	
Total	100.0%

\*(E)-2-[1-[[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one

Contains Petroleum Distillates

Select<sup>®</sup> 2 EC Herbicide is an emulsifiable concentrate containing 2.0 lb clethodim active ingredient per gallon.

## KEEP OUT OF REACH OF CHILDREN

## **WARNING - AVISO**

## SEE NEXT [PAGE][PANEL] FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**NET CONTENTS [1 GALLON] [15 GALLONS]** 

## PRECAUTIONARY STATEMENTS

# HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye irritation. Avoid contact with skin. Do not get in eyes, on skin, or on clothing. Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

requerity repeated skin contact may cause allergic reactions in some individuals.						
	FIRST AID					
If in eyes:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>					
If on skin or clothing:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>					
If swallowed:	<ul> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to by the poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>					
If inhaled:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>					

#### **HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information.

## **NOTE TO PHYSICIANS**

Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid, which can cause pneumonitis. If ingested, probable mucosal damage may contraindicate the use of gastric lavage.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE):

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves such as Barrier Laminate or Viton ≥ 14 mils, shoes plus socks, and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### **USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### **ENVIRONMENTAL HAZARDS:**

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater or rinsate.

#### NON-TARGET ORGANISM ADVISORY STATEMENT

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

The use of this product may pose a hazard to the federally designated endangered species of Solano Grass and Wild Rice. Use of this product is prohibited in the following areas where the species are known to exist:

Solano Grass: Solano County, California: the vernal lakes area bounded by the Union Pacific Railroad and Hastings Road to the north, Highway 113 to the east, Highway 12 to the south, and Travis Air Force Base to the west.

Wild Rice: Hays County, Texas.

#### PHYSICAL OR CHEMICAL HAZARDS:

Do not use or store near heat or open flame.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL AND PAMPHLET. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves, such as Barrier Laminate or Viton ≥ 14 mils, shoes plus socks, and protective eyewear.

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forest, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Do not enter treated areas without protective clothing until sprays have dried.

## **Weed Resistance Management**

For resistance management, *Select* 2 EC Herbicide is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to *Select* 2 EC Herbicide and other Group 1 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of Select 2 EC Herbicide or other Group 1 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and
  uses historical information related to herbicide use and crop rotation, and that considers tillage
  (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision
  fertilizer application method and timing to favor the crop and not the weeds), biological (weedcompetitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Valent U.S.A. LLC at 800-682-5368 or at www.valent.com.

#### PRODUCT INFORMATION

#### RESTRICTIONS

- Application on Long Island, New York, is restricted to no more than 16 fl oz of *Select* 2 EC Herbicide (0.25 lb ai) per acre per year.
- Do not apply if rain is expected within 1 hour of application as control may be unsatisfactory.
- Do not apply a postemergence broadleaf herbicide within one day following application of *Select* 2 EC Herbicide or reduced grass control may result.
- Do not apply under conditions of stress. Applying Select 2 EC Herbicide under conditions that do not
  promote active grass growth will reduce herbicide effectiveness. These conditions include drought,
  excessive water, extremes in temperature, low humidity and grasses either partially controlled or
  stunted from prior pesticide applications. Grasses under these kinds of stressful conditions will not
  absorb and translocate Select 2 EC Herbicide effectively, and will be less susceptible to herbicide
  activity.
- Do not allow Select 2 EC Herbicide to come in contact with desirable grass crops including corn, rice, sorghum, small grains, or turf, as these and other grass crops will be injured or killed. Minor leaf spotting may occur on treated plants under certain environmental conditions. New foliage is not affected.
- Aerial applications for all tree fruits and tree nuts uses are prohibited.

#### **ROTATIONAL RESTRICTIONS**

Do not plant rotational crops until 30 days after application of *Select* 2 EC Herbicide unless the crop is listed on *Select* 2 EC Herbicide label.

#### **PRECAUTIONS**

- Grass crops including corn, rice, sorghum, small grains, or turf, etc. are highly sensitive to Select 2
   EC Herbicide.
- Select 2 EC Herbicide may not be used on vegetable crops being grown for seed production unless specific use directions are provided.
- Select 2 EC Herbicide is a selective postemergence herbicide for control of annual and perennial grasses.
- Select 2 EC Herbicide does not control sedges or broadleaf weeds.
- Optimal perennial grass control can be obtained if rhizomes or stolons are cut up by preplant tillage practices, (discing, plowing, etc.) to stimulate maximum emergence of grass shoots. Cultural practices, such as continuous no-tillage in which the perennial grass rhizomes or stolons are not cut up, result in a very staggered, non-uniform weed emergence. Due to this non-uniform weed emergence, no fewer than 2 *Select* 2 EC Herbicide applications per year are specified at the appropriate weed-growth stage rate under continuous no-till conditions.
- While all the vegetable crops on this label have been tested for crop safety with Select 2 EC
  Herbicide, not all specialty varieties of these crops have been tested. It is advised that, before
  applying Select 2 EC Herbicide to specialty varieties of vegetable crops on this label, first apply a
  small section of the field to evaluate potential injury. Injury symptoms may appear as leaf speckling or
  stunting.
- It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.
- Tank mixes of Select 2 EC Herbicide and broadleaf herbicides may result in reduced grass control. If grass regrowth occurs, an additional application Select 2 EC Herbicide may be necessary. AVOID SPRAY DRIFT.
- Repeated use of Select 2 EC Herbicide (or similar postemergence grass herbicides with the same mode of action) may lead to the selection of naturally occurring biotypes that are resistant to these products in some grass species.
- If poor performance occurs and cannot be attributed to adverse weather or application conditions, a

resistant biotype may be present. This is most likely to occur in fields where other control strategies such as crop rotation, mechanical removal, and other classes of herbicides are not used from year to year.

#### APPLICATION INFORMATION

## **Timing of Applications**

Apply Select 2 EC Herbicide postemergence to actively growing grasses according to prescribed rates in the table. Applications made to grass plants stressed by insufficient moisture, or hot or cold temperatures, or to grass plants exceeding specified growth stages may result in unsatisfactory control. Do not apply under these conditions.

In arid regions where irrigation is used to supplement limited rainfall, *Select* 2 EC Herbicide should be applied as soon as possible, after irrigation (within 7 days). In arid regions, a second application of *Select* 2 EC Herbicide will generally provide more effective control of perennial grass weeds than a single application. Make second application to actively growing grass 2 to 3 weeks after emergence of new growth.

Cultivation of treated grasses 7 days prior to or within 7 days after application of *Select* 2 EC Herbicide may reduce weed control. DO NOT APPLY *Select* 2 EC Herbicide if rainfall is expected within one hour, since control may be reduced.

#### **Control Symptoms**

Treated grass weeds show a reduction in vigor and growth. Early chlorosis/necrosis of younger plant tissue is followed by a progressive collapse of the remaining foliage. Symptoms will generally be observed in 7 to 14 days after application, depending on grass species treated and environmental conditions.

## ADDITION OF ADJUVANT OR CROP OIL CONCENTRATE

CROP	ADJUVANT RECOMMENDATIONS
Alfalfa, Cotton, Bean (dry) & Pea (shelled), Edible Podded Legume Vegetables, Peanuts (including perennial), Potato, Soybean, Bean &	Always use a crop oil concentrate* at 1.0 qt/A by ground or 1 % v/v (but not less than 1 pt/A) in the finished spray volume by air.
Pea (succulent shelled), Sugar Beet and Sunflower	1 to 2 qts./A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lbs./A) of spray grade ammonium sulfate (AMS) may be added to <i>Select</i> 2 EC Herbicide applications, in addition to the specified rate of crop oil concentrate. The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.
Asparagus, Berry (low-growing), Canola, Carrot, Clover, Cranberry, Cucurbits, Flax, Fruiting Vegetables (except okra and tomato), Garden	Always use a crop oil concentrate at 1% v/v in the finished spray volume unless tank mix instructions indicate otherwise.
Beet, Garlic, Head & Stem Brassica Vegetables, Herbs, Hops, Leaf Petioles, Leafy Brassica Greens, Leafy Greens, Mint, Mustard Seed, Okra, Onion (dry bulb), Green Onion, Pome Fruit, Root Vegetables, Safflower, Sesame, Stalk and Stem Vegetable, Stone Fruit, Strawberry, Stevia (dried leaves), Sweet Potato (Yam & other Tuberous and Corm Vegetables except Potato), Tomato, Tree Nuts and Watercress	Addition of liquid fertilizer is not advised for these crops.
Non-Bearing Fruit and Nut Crops, Ornamental Plants,	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt. per 50 gals. (0.25% v/v). Use of crop oil concentrate is not advised since it may injure flowers and foliage.
Conifer Trees, Fallow Land (and other non-producing agricultural areas), and Non-Crop or Non-planted Areas	Always use a crop oil concentrate containing at least 15% emulsifier at 1% v/v (but not less than 1 pt/A) in the finished spray volume.

<sup>\*</sup>Acceptable crop oil concentrates would be those that contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality, and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils.

#### **Ground Application**

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 5 gals and a maximum of 40 gals of spray solution per acre. Under the following conditions a minimum of 10 gals per acre is required: ultra narrow row cotton, narrow row soybeans, broadleaf herbicide tank mixes, perennial grasses, volunteer corn, drought or stress conditions, heavy grass pressure or when grasses are at or near maximum height. Failure to use a minimum of 10 gals per acre under these conditions can result in poor coverage and reduced grass control requiring repeat applications. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

Applications to onions (dry bulb), green onion and garlic should be made in a minimum of 20 gals of spray solution per acre.

#### Air Application

Use a minimum of 3 gals of spray solution per acre unless otherwise directed in this label. Increase spray volumes up to 10 gals as grass or crop foliage becomes dense. For onions (dry bulb), green onion or garlic: When applying by air do not exceed 8 fl oz/A in a single application. In California, air applications to onions or garlic should be made in a minimum of 20 gals of spray solution per acre. In states other than California, air application to onions or garlic should be made in a minimum of 10 gals of spray solution per acre.

NOTE: Crop injury may occur when *Select* 2 EC Herbicide is applied to onions or garlic with aerial equipment.

#### Spot Treatment

When using hand sprayers or high volume sprayers utilizing hand guns, mix 1/4% to 1/2% (0.33 oz to 0.65 oz per gal) *Select* 2 EC Herbicide and treat to wet vegetation, while not allowing runoff of spray solution. For uses requiring crop oil concentrate, include crop oil concentrate at 1% (1.3 oz per gal) by volume. For uses requiring non-ionic surfactant, include non-ionic surfactant at 1/4% (0.33 oz. per gal.) by volume.

NOTE: If Select 2 EC Herbicide is applied as a spot treatment, care must be taken to not exceed the maximum rate allowed on a "per acre" basis or crop injury may occur.

## CHEMIGATION - ONION (Dry Bulb), GREEN ONION AND GARLIC SPRINKLER IRRIGATION APPLICATION

Only apply Select 2 EC Herbicide by chemigation to Onions (dry bulb and green) and Garlic crops.

May be applied to onions and garlic by sprinkler irrigation systems.

Apply Select 2 EC Herbicide at the high rate for annual grasses (16 fl oz per acre) when the grass height is at the low end of the range (application to larger grasses may not provide adequate control). Add a crop oil concentrate containing at least 15% emulsifier at 1 quart per acre.

Apply Select 2 EC Herbicide in 0.1 to 0.2 acre-inch of water either at the end of a regular irrigation set or as a separate application not associated with a regular irrigation using the least amount of water that provides proper distribution and coverage. Application of more than label quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness. Use a metering device to inject the Select 2 EC Herbicide into the irrigation water at a constant flow. Constant agitation must be maintained in the chemical supply tank during the entire period of herbicide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to ensure adequate mixing. Allow time for all lines to flush the herbicide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining herbicide, a dye indicator may be injected into the lines to mark the end of the application period.

#### Restrictions

- Do not apply Select 2 EC Herbicide by chemigation in the states of Idaho, Montana, Oregon and Washington.
- Do not apply this product through any irrigation system connected to a public water system.
- Do not apply by chemigation to any other crop, or to this crop using any other type of irrigation system.
- Do not apply Select 2 EC Herbicide through an irrigation system connected to a public water system. Public water system means a system for the provision to the public of piped water for human consumption, if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Do not apply this product through any other type of irrigation system (i.e. Public Irrigation System).
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.
- A person knowledgeable of the chemigation system and responsible for its operation or under supervision of the responsible person, must shut the system down and make necessary adjustments should the need arise.
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, solid set, or hand move.

#### **Precautions**

- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.
- If you have any questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

#### MANDATORY SPRAY DRIFT

## **Aerial Application**

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

## **Ground Boom Applications**

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy. For all other ground applications, the nozzle must be no more than 3 feet from the target vegetation.
- Applicators are required to use a medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

#### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size – Ground Boom**

- Volume Increasing the spray volume so that larger droplets are produced will reduce spray drift.
   Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size – Aircraft**

• Adjust Nozzles – Follow nozzle manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

#### **BOOM HEIGHT - Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### **RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for spray drift.

#### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

#### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

#### **TERMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE					
	Minimum Time		Crop Oil		
Crops <sup>(1)</sup>	From Application	Use Rates	Concentrate	Special Use Instructions	
Сторз	to Harvest (PHI)	Per Acre	Rates Per	opecial oscillistractions	
	to Harvest (Fill)		Acre <sup>(2)</sup>		
Alfalfa including:	15 days	6-16 fl oz <sup>.(4)</sup>	1 qt by ground or	For repeat applications make on a	
Sainfoin	before grazing,		1% v/v (but not	minimum of a 14 day interval. Refer	
Holy Clover	feeding or		less than 1 pt/A)	to tank mix partners for feeding,	
Birdsfoot trefoil <sup>(3)</sup>	harvesting (cutting)		by air <sup>(5)</sup>	grazing and harvesting	
	for forage or hay			restrictions. (5,6)	
				The addition of Ammonium Sulfate	
				(AMS) has shown improved grass	
				control for difficult to control species	
				including: quackgrass, rhizome	
				Johnsongrass, red rice, wild oats,	
				volunteer cereals, and volunteer corn.	
				volunteer cereals, and volunteer com.	
				Restrictions	
				Do not apply more than 16 fl oz	
				(0.250 lb ai) per acre per	
				application.	
				Do not make more than 2	
				applications per acre per year.	
				Do not apply more than 32 fl oz	
				(0.500 lb ai) per acre per year.	
Bean, Dry except Soybean	30 days	6-16 fl oz	1 qt. by ground	For repeat applications make on a	
[Dried Shelled Pea and Bean	Jo days	0-10 11 02	or 1% v/v (but	minimum of a 14 day interval.	
(except soybean)] Subgroup			not less than 1	I millimani or a 14 day interval.	
6C]			pt./A) by air. <sup>(5)</sup>	Refer to appropriate Table for	
including:			pt.//t/ by all.	reduced rate directions for the control	
Bean ( <i>Lupinus</i> spp.)				of small annual grasses.	
Grain				or small armual grasses.	
Sweet				The addition of Ammonium Sulfate	
White				(AMS) has shown improved grass	
White Sweet				control for difficult to control species	
Bean ( <i>Phaseolus</i> spp.)				including: quackgrass, rhizome	
Field				Johnsongrass, red rice, wild oats,	
Kidney				volunteer cereals and volunteer corn.	
Lima (dry)				Volunteer sereale and volunteer sern.	
Navy				Restrictions	
Pinto				Do not apply more than 16 fl oz	
Tepary				(0.250 lb ai) per acre per	
Bean ( <i>Vigna</i> spp.)				application.	
Adzuki Bean				Do not make more than 2	
Black-eyed Pea				applications at 16 fl oz (0.250 lb	
Catiang				ai) per acre per year.	
Cowpea				Do not apply more than 32 fl oz	
Crowder Pea				(0.500 lb ai) per acre per year.	
Moth Bean				For Reduced Rate Control for	
Mung Bean				Small Annual Grasses: Do not	
Rice Bean				make more than 8 applications at	
Southern Pea				4 fl oz (0.0625 lb ai) per acre per	
Urd Bean				year.	
Broad (dry)				your.	
Chickpea (garbanzo)					
Guar					
Lablab Bean					
Lentil					
			<u> </u>		

CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE				
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Bean, Succulent Shelled [Succulent Shelled Pea and Bean Subgroup 6B] including: Bean (Phaseolus spp.) Broad Bean (succulent) Lima Bean (green) Bean (Vigna spp.) Black-eyed Pea Cowpea Southern Pea	21 days	6-8 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(5)</sup>	Refer to appropriate Table for reduced rate prescribed for the control of small annual grasses.  The addition of AMS has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per year.  Do not make more than 1 application per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl oz (0.0625 lb ai) per acre per year.
Beet, Garden	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Berry Low Growing (except Cranberry and Strawberry) Subgroup 13-07G including: Bearberry Bilberry Blueberry, lowbush Cloudberry Lingonberry Muntries Partridgeberry	45 days	4-8 fl oz	Non-Ionic surfactant (NIS) at 0.25% v/v	For repeat applications make on a minimum of a 14 day interval.  Verify crop safety to Select 2 EC Herbicide on a small area of the crop, at the desired Select 2 EC Herbicide rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident 7 days after treatment, Select 2 EC Herbicide may be used on the entire field at the rate tested and with the same NIS used in the crop safety test.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Brassica Head and Stem Vegetable [Crop Group 5-16][*] including: Broccoli Brussels sprouts Cabbage Cabbage, Chinese (napa) Cauliflower cultivars, varieties and/or hybrids of these commodities	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not apply more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE				
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Brassica Leafy Greens [Subgroup 4-16B][*] (except Radish Leaves, Turnip Greens and Watercress) including: Arugula Broccoli, Chinese Broccoli Raab Cabbage, Abyssinian Cabbage, Chinese (bok choy) Cabbage, Seakale Collards Cress, Garden Cress, Upland Hanover Salad Kale Maca (leaves) Mizuna Mustard Greens Rape Greens Rocket, Wild Shepherd's Purse cultivars, varieties, and/or hybrids of these commodities	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not apply more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Canola [including Rapeseed Subgroup 20A except flax seed, mustard seed and sesame seed [(Not for use in California)] Borage Crambe Cuphea Echium Gold of Pleasure (Camelina) Hare's Ear Mustard Lesquerella Lunaria Meadowfoam Milkweed Oil Radish Poppy seed Rapeseed (canola) Sweet Rocket	70 days	4-6 fl oz	1% v/v in the finished spray volume.	Verify crop safety to Select 2 EC Herbicide on a small area of the crop, at the desired Select 2 EC Herbicide rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident 7 days after treatment, Select 2 EC Herbicide may be used on the entire field at the rate tested and with the same NIS used in the crop safety test.  Restrictions  • Do not apply more than 6 fl oz (0.094 lb ai) per acre per application.  • For Annual and Perennial Grasses: Do not make more than 1 application at 6 fl oz (0.094 lb ai) per acre per year.  • For Reduced Rate Control for Small Annual Grasses: Do not make more than 1 application at 4 fl oz (0.0625 lb ai) per acre per year.  • Do not apply after crop has begun bolting. Crop injury may occur when Select 2 EC Herbicide is applied during the bloom period.

	CIFIC DIRECTIONS A	IND INCOTINIO		7 E EO MERIDIOLE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Carrot	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Clover	15 days before grazing, feeding, or harvesting (cutting) for forage or hay	6-16 fl oz	1% v/v in the finished spray volume.	For use on clover grown in the states of Idaho, Oregon and Washington only.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 1 application per acre per year.  Do not exceed 16 fl oz (0.250 lb ai) per acre per year.
Cotton (including cotton grown for seed)	60 days	6-16 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(3)</sup>	The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  • Do not graze treated fields or feed treated forage or hay to livestock.
Cranberry	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restriction  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  Do not apply between the "hook" stage and full fruit set.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Fallow Land Conifer Trees (and other non-producing agricultural areas) Non-Crop or Non-Planted Areas	N/A	6-16 fl oz	1% v/v (but not less than 1 pt/A) in the finished spray volume using a crop oil concentrate containing at least 15% emulsifier.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.
Flax (Not for use in California)	60 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Apply prior to bloom. Crop injury may occur when Select 2 EC Herbicide is applied during the bloom period.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 16 fl oz (0.250 lb ai) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 4 applications at 4 fl oz (0.0625 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Fruiting Vegetables (except Okra and Tomato) [Crop Group 8-10] including: African Eggplant Bush Tomato Bell Pepper Cocona Currant Tomato Eggplant Garden Huckleberry Goji Berry Groundcherry Martynia Naranjilla Pea Eggplant Pepino Nonbell Pepper Roselle Scarlet Eggplant Sunberry Tomatillo Tree Tomato Cultivars, varieties, and/or hybrids of these.	20 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

CKOF 3FL	CIFIC DIRECTIONS A	IND KLOTKIC		7 Z EC TIERBICIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Subgroup 19A] Herbs including: Angelica Balm Basil Borage Burnet Camomile Catnip Chervil (dried) Chive Chive, Chinese Clary Coriander (leaf) Costmary Culantro (leaf) Curry (leaf) Dill (dillweed) Horehound Hyssop Lavender Lovage (leaf) Marigold Marjoram (Origanum spp.) Nasturtium Parsley (dried) Pennyroyal Rosemary Rue Sage Savory, Summer and Winter	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Select 2 EC Herbicide has not been tested on all herbs, and herb varieties. It is the responsibility of the user to test Select 2 EC Herbicide on a small portion of the crop to be treated before treating the entire field.  Verify crop safety to Select 2 EC Herbicide on a small area of the crop, at the desired Select 2 EC Herbicide rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident 7 days after treatment, Select 2 EC Herbicide may be used on the entire field at the rate tested and with the same crop oil used in the crop safety test.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Hops	21 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Subgroup 22B] Leaf Petiole Vegetables[*]including: Cardoon Celery Celery, Chinese Fuki Rhubarb Udo Zuiki cultivars, varieties, and/or hybrids of these commodities	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

CROP SPE	CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE					
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions		
Crops <sup>(1)</sup> [Subgroup 4-16A] Leafy Greens[*] including: Amaranth, Chinese Amaranth, Leafy Aster, Indian Blackjack Cat's Whiskers Cham-chwi Cham-na-mul Chervil (fresh leaves) Chipilin Chrysanthemum, Garland Cilantro (fresh leaves) Corn Salad Cosmos Dandelion (leaves) Dang-gwi (leaves) Dillweed Dock Dol-nam-mul Ebolo Endive	From Application		Concentrate	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz/ (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.		
Escarole Fameflower Feather Cockscomb Good King Henry Huauzontle Jute (leaves) Lettuce, Bitter Lettuce, Head Lettuce, Leaf Orach Parsley (fresh leaves) Plantain, Buckhorn Primrose, English Purslane, Garden Purslane, Winter Radicchio Spinach Spinach, Malabar Spinach, New Zealand Spinach, Tanier Swiss Chard Violet, Chinese (leaves) Cultivars, varieties, and/or hybrids of these commodities						

CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE				I Z EU MEKBIUIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Subgroup 6A] Legume Vegetables, Edible Podded including: Bean (Phaseolus spp.) Runner Snap Wax Bean (Vigna spp.) Asparagus Chinese Longbean Moth Yardlong Jackbean Pea (Pisum spp.) Dwarf Edible-pod Snow Sugar Snap Pigeon Sword Bean	21 days	6-8 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt./A) by air. <sup>(5)</sup>	For peas apply before bloom, but no later than 21 days before harvest.  Refer to appropriate Table for reduced rate prescribed for the control of small annual grasses.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not apply more than 1 application per acre per year.  Do not apply more than 0.125 lb ai per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl oz (0.0625 lb ai) per acre per year.
Melon [Subgroup 9A] Citron melon Muskmelon (including cantaloupe) Watermelon	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Mint	21 days	6-16 fl oz <sup>(4)</sup>	1 qt by ground or 1% v/v (but not less than 1 pt/A by air.)	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Mustard Seed[*]	75 days	4-6 fl oz	1% v/v in the finished spray volume.	<ul> <li>Restrictions</li> <li>Do not apply more than 6 fl oz (0.094 lb ai) per acre per application.</li> <li>Do not make more than 2 applications per acre per year.</li> <li>Do not apply more than12 fl oz (0.188 lb ai) per acre per year.</li> <li>Do not apply after crop has begun bolting. Crop injury may occur when Select 2 EC Herbicide is applied during the bloom period.</li> <li>For Reduced Rate Control for Small Annual Grasses: Do not make more than 3 applications at 4 fl oz (0.0625 lb ai) per acre per year</li> </ul>
Okra[*]	3 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.

1			CHOIC OIL	T 2 EC HERBICIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Bulb Onion] [Subgroup 3-07A]	45 days	6-16 fl oz	1% v/v in the finished spray	For repeat applications make on a minimum of a 14 day interval.
Onion (Dry Bulb Only) including			volume.	Minimum of 20 gal/A spray volume by ground in entire U.S.
Daylily, Bulb Fritillaria, Bulb				Minimum of 20 gal/A spray volume by air in California.
Garlic, Bulb Garlic, Great-headed, Bulb Garlic, Serpent, Bulb Lily, Bulb				In states other than California, air applications to onions or garlic should be made in a minimum of 10 gal/A.
Onion, Bulb Onion, Chinese, Bulb Onion, Pearl Onion, Potato, Bulb Shallot, Bulb Cultivars, varieties, and/or hybrids of these.				<ul> <li>Restrictions</li> <li>Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.</li> <li>Do not make more than 2 applications per acre per year.</li> <li>Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.</li> <li>When applying by air, do not exceed 8 fl oz (0.125 lb ai) per acre per application and 16 fl oz (0.25 lb ai) per acre per year.</li> <li>If Select 2 EC Herbicide is applied as a spot treatment to onion or garlic, do not exceed the maximum rate allowed on a "per acre" basis.</li> <li>In California, do not apply Select 2 EC Herbicide to garlic or onion until the crop has at least two full leaves. Use a 14 day spray interval between the application of Select 2 EC Herbicide and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.</li> <li>For Garlic</li> <li>When applying by ground, do not exceed 8 fl oz (0.125 lb ai) per acre per application or 16 fl oz (0.250 lb ai) per acre per year.</li> </ul>

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Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Onion, Green	14 days	6-8 fl oz	1% v/v in the	For repeat applications make on a
[Subgroup 3-07B][*]			finished spray	minimum of a 14 day interval.
including:			volume.	
Chive (fresh leaves)				Restrictions
Chive, Chinese				<ul> <li>Do not apply more than 8 fl oz</li> </ul>
(fresh leaves)				(0.125 lb ai) per acre per
Elegans Hosta				application.
Fritillaria (leaves)				<ul> <li>Do not make more than 4</li> </ul>
Kurrat				applications per acre per year.
Lady's Leek				<ul> <li>Do not apply more than 32 fl oz</li> </ul>
Leek				(0.500 lb ai) per acre per year.
Leek, Wild				<ul> <li>For air applications to onion, do</li> </ul>
Onion, Beltsville				not exceed 8 fl oz (0.125 lb ai) per
(bunching) Onion (fresh)				acre per application.
Onion, Green				In California for air applications to
Onion, Macrostem				onion, do not exceed 2
Onion, Tree (tops)				applications per year.
Onion, Welsh (tops)				If Select 2 EC Herbicide is applied
Shallot (fresh leaves)				as a spot treatment to onion or
Cultivars, varieties, and/or				garlic, do not exceed the
hybrids of these commodities.				maximum rate allowed on a "per acre" basis.
				<ul> <li>In California, do not apply Select 2</li> </ul>
				EC Herbicide to onion or garlic
				until the crop has at least two full
				leaves. Use a 14 day spray
				interval between the application of
				Select 2 EC Herbicide and liquid
				nitrogen or other herbicide
				applications. Injury to crop may
				occur when shorter intervals are
				observed.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Subgroup 6C] Dried Shelled Pea including: Pea (Pisum spp.) Field Pigeon	30 days	6-8 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. (3)	For repeat applications make on a minimum of a 14 day interval.  Apply before bloom but not later than 30 days prior to harvest.  Refer to appropriate Table for reduced rate prescribed for the control of small annual grasses.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  Applications of Select 2 EC Herbicide to peas during the bloom period could result in severe crop injury, including loss of yield and delayed maturity.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not apply more than 8 fl oz (0.125 lb ai) per acre per year.  To reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at 4 fl oz (0.0625 lb ai) per acre per year.

CROP 3FE	CIFIC DIRECTIONS A	IND KESTRIC		I Z EC NERBICIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
[Subgroup 6B] Pea, Succulent Shelled including: Pea (Pisum spp.) English Pea Garden Pea Green Pea Pigeon Pea	21 days	6-8 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. (3)	Apply before bloom but not later than 21 days prior to harvest.  Refer to appropriate Table for reduced rate prescribed for the control of small annual grasses.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 1 application per acre per year.  Do not apply more than 8 fl oz (0.125 lb ai) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 2 applications at
Peanut (including Perennial)	40 days	6-16 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(3)</sup>	4 fl oz (0.625 lb ai) per acre per year.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
[Crop Group11-10] Pome Fruit including Apple Azarole Crabapple Loquat Mayhaw Medlar Pear Pear, Asian Quince Quince, Chinese Quince, Japanese Tejocote	14 days	4-8 fl oz	Non-ionic surfactant (NIS) at 0.25% v/v	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

CROP SPE	CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE				
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions	
Potato	30 days	6-16 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(3)</sup>	For repeat applications make on a minimum of a 14 day interval.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Restrictions  • Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.	
Radish Radish Leaves	15 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 16 fl oz (0.250 lb ai) per acre per year.	
[Subgroup 1B] Root Vegetables (except Sugar Beet and Radish), including: Burdock, Edible Celeriac Chervil, Turnip Rooted Chicory Ginseng Horseradish Parsley, Turnip Rooted Parsnip Radish, Oriental Rutabaga Salsify Salsify, Spanish Skirret Turnip	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.	

CROP 3FL	CIFIC DIRECTIONS A	IND KLOTKIC		7 Z LO TILINDIOIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Safflower	70 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Sesame	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  Do not apply during flowering.
Soybean	60 days	6-16 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(3)</sup>	For repeat applications make on a minimum of a 14 day interval.  Refer to appropriate Table for reduced rate prescribed for the control of small annual grasses.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  Do not graze treated fields or feed treated forage or hay to livestock.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl oz (0.0625 lb ai) per acre per year.

5.1.5. 5. 2	CIFIC DIRECTIONS A			,
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Squash/Cucumber [Subgroup 9B] Chayote (fruit) Chinese waxgourd (Chinese preserving melon) Cucumber Gherkin Gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra) Momordica spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber) Pumpkin Squash, Summer Squash, Winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash)	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Stalk and Stem Vegetable [Subgroup 22A][*] Agave Aloe Vera Asparagus Bamboo Shoots Celtuce Fennel, Florence (fresh leaves and stalk) Fern, Fiddlehead (edible) Kale, Sea Kohlrabi Palm Hearts Prickly Pear (pads) Prickly Pear, Texas (pads) cultivars, varieties, and/or hybrids of these commodities	1 day	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 16 fl oz (0.250 lb ai) per acre per year.

CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE				
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Stevia, dried leaves	14 days	4-8 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v	For repeat applications make on a minimum of a 14 day interval.  Select 2 EC Herbicide has not been tested on all varieties. It is the responsibility of the user to test Select 2 EC Herbicide on a small portion of the crop to be treated before treating the entire field.  Verify crop safety to Select 2 EC Herbicide on a small area of the crop, at the desired Select 2 EC Herbicide rate and with the same non-ionic surfactant (NIS) that will be used on the field. If no crop response is evident 7 days after treatment, Select 2 EC Herbicide may be used on the entire field at the rate tested and with the same NIS used in the crop safety test.
				Restrictions Do not apply more than 8 fl oz (0.125 lb ai) per acre per application. Do not make more than 4 applications per acre per year. Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
[Crop Group 12-12] Stone Fruit including Apricot Apricot, Japanese Capulin Cherry, Black Cherry, Nanking Cherry, Sweet Cherry, Tart; Jujube, Chinese Nectarine Peach Plum Plum, American Plum, Beach Plum, Canada Plum, Cherry Plum, Chickasaw Plum, Damson Plum, Japanese; Plum, Klamath Plum, Prune Plumcot Sloe	14 days	4-8 fl oz	Non-ionic Surfactant (NIS) at 0.25% v/v	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Strawberry	4 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Sugar Beet	40 days	6-16 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(3)</sup>	For repeat applications make on a minimum of a 14 day interval.  Refer to appropriate Table for reduced rate prescribed for the control of small annual grasses.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl oz (0.0625 lb ai) per acre per year.

#### CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE

CROP SPE	CIFIC DIRECTIONS A	ND RESTRIC		1 2 EC HERBICIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Sunflower including: Calendula Castor oil Plant Chinese Tallowtree Euphorbia Evening Primrose Jojoba Niger Seed Rose Hip Stokes Aster Tallowwood Tea Oil Plant Vernoia	70 days	6-16 fl oz	1 qt by ground or 1% v/v (but not less than 1 pt/A) by air. <sup>(3)</sup>	For repeat applications make on a minimum of a 14 day interval.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome Johnsongrass, red rice, wild oats, volunteer cereals, and volunteer corn.  Verify crop safety to Select 2 EC Herbicide on a small area of the crop, at the desired Select 2 EC Herbicide rate and with the same crop oil concentrate that will be used on the field. If no crop response is evident seven (7) days after treatment, Select 2 EC Herbicide may be used on the entire field at the rate tested and with the same crop oil used in the crop safety test.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  To not apply more than 32 fl oz (0.500 lb ai) per acre per year.  For Reduced Rate Control for Small Annual Grasses: Do not make more than 8 applications at 4 fl oz (0.0625 lb ai) per acre per year.
Tomato	20 days	6-16 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

#### CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Tree Nuts [Crop Group 14-12][*] Including: African Nut-tree Almond Beechnut Brazil Nut Brazilian Pine Bunya Bur Oak Butternut Cajou Nut Candlenut Cashew Chestnut Chinquapin Coconut Coquito Nut Dika Nut Ginkgo Guiana Chestnut Hazelnut (Filbert) Heartnut Hickory Nut Japanese Horse- chestnut Macadamia Nut Mongongo Nut Monkey-pot Monkey Puzzle Nut Okari Nut Pachira Nut Pecan Pequi Pili Nut Pine Nut Pistachio Sapucaia Nut Tropical Almond Walnut, Black			Rates Per	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.
Walnut, English Yellowhorn Cultivars, varieties, and/or hybrids of these.				

CROP SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE

CROP 3FE	CIFIC DIRECTIONS A	IND KESTKIC		7 Z EC NERBICIDE
Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Tuberous and Corm Vegetables Subgroup [Subgroup 1C] (except Potato) Including Sweet Potato, Yam Artichoke Chinese Jersusalem Cassava Bitter Sweet Ginger	30 days	6-16 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  The addition of Ammonium Sulfate (AMS) has shown improved grass control for difficult to control species including: quackgrass, rhizome, Johnsongrass, red rice, wild oats, volunteer cereals and volunteer corn.  Restrictions  • Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.  • Do not make more than 2 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.
Turnip Greens	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For a repeat application make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.
Watercress[*]	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.  Do not apply when watercress is under flood conditions.  Do not apply Select 2 EC Herbicide when water is in the field and hold water for at least 24 hours after an application.

N/A = Not Applicable [\*Not for use in California.]

- 1. Select 2 EC Herbicide is not to be used on vegetable crops being grown for seed production unless specific use directions are provided.
- 2. Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be

- successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. See the Addition of Adjuvant and Crop Oil Concentrate section for further information.
- 3. Select 2 EC Herbicide may be applied to seedling or established alfalfa grown for seed, hay, silage, green chop or direct grazing.
- 4. For weed control in established alfalfa and mint, the minimum use rate is 10 fl oz/A (0.156 lb ai).
- 5. 1 to 2 qt/A of liquid fertilizer (10-34-0, 28%N or 32%N), or an equivalent amount (2.5 to 4.0 lb/A) of spray grade ammonium sulfate (AMS) may be added to *Select* 2 EC Herbicide applications, in addition to the specified rate of crop oil concentrate.
- 6. Restriction: Do not apply *Select* 2 EC Herbicide plus 2,4-DB as a tank mix to alfalfa unless the 60 day feeding, grazing, and harvesting restriction on the 2,4-DB label can be observed.

#### **IMPORTANT**

Plant safety to *Select* 2 EC Herbicide at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions, and application techniques, determine if the herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of *Select* 2 EC Herbicide have investigated the safety factor to plants not listed on the label.

## INSTRUCTIONS FOR ANNUAL GRASSES (EXCEPT FOR IN ESTABLISHED ALFALFA AND MINT)

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

#### Restrictions

- Do not exceed the maximum rate per application listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.
- Do not exceed the maximum number of applications per year listed in Table 1, Crop Specific Use Directions and Restrictions for Select 2 EC Herbicide.
- Do not exceed the maximum yearly rate listed in Table 1, Crop Specific Use Directions and Restrictions for Select 2 EC Herbicide.

## INSTRUCTIONS FOR ANNUAL GRASSES (EXCEPT FOR IN ESTABLISHED ALFALFA AND MINT)

\-	CEPT FOR IN ESTABLISHED			1
GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (inches)	RATE FL OZ/ ACRE	HIGH RATE <sup>(1)</sup>
Barnyardgrass	Echinochloa crus-galli	2 to 8	6	8
Broadleaf Signalgrass	Brachiaria platyphylla	2 to 6	6	8
Brome		12.10.0		
California	Bromus carinatus	2 to 6	6	8
Cheat	Bromus secalinus	2 to 6	6	8
Downy	Bromus tectorum	2 to 6	6	8
Ripgut	Bromus diandrus	2 to 6	6	8
Canarygrass	Phalaris canariensis	1 to 4	6	8
Crabgrass				
Hairy	Digitaria adscendens	2 to 6**	6	8
Large	Digitaria sanguinalis	2 to 6**	6	8
Smooth	Digitaria ischaemum	2 to 6**	6	8
Southern	Digitaria ciliaris	2 to 6**	6	8
Crowfootgrass	Dactyloctenium aegyptium	2 to 6**	6	8
Fall Panicum	Panicum dichotomiflorum	2 to 8	6	8
Field Sandbur	Cenchrus incertus	2 to 6	6	8
Foxtail				
Giant	Setaria faberi	2 to 12	6	8
Green	Setaria viridis	2 to 8	6	8
Yellow	Setaria glauc	2 to 8	6	8
Goosegrass	Eleusine indica	2 to 6**	6	8
Itchgrass	Rottboellia cochinchinensis	2 to 6	6	8
Junglerice	Echinochloa colona	2 to 6	6	8
Lovegrass (Stinkgrass)	Eragrostis cilianensis	2 to 6	6	8
Rabbitsfootgrass	Polypogon monspeliensis	1 to 4	6	8
Red Rice	Oryza sativa	1 to 3	6	8
Ryegrass				
Hardy	Lolium remotum	2 to 6	6	8
Italian	Lolium multiflorum	2 to 6	6	8
Seedling Johnsongrass	Sorghum halepense	4 to 10	6	8
Shattercane	Sorghum bicolor	6 to 18	6	8
Southwestern Cupgrass	Eriochloa gracilis	2 to 6	6	8

continued

#### **INSTRUCTIONS FOR ANNUAL GRASSES** (EXCEPT FOR IN ESTABLISHED ALFALFA AND MINT) (continued)

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)*	RATE FL OZ/ ACRE	HIGH RATE <sup>(1)</sup>
Sprangle top				
Amazon	Leptochloa panicoides	2 to 6	6	8
Bearded	Leptochloa fascicularis	2 to 6	6	8
Mexican	Leptochloa uninervia	2 to 6	6	8
Red	Leptochloa filiformis	2 to 6	6	8
Texas Panicum	Panicum texanum	2 to 6	6	8
Volunteer Cereals <sup>(2)</sup>				
Barley	Hordeum vulgare	2 to 6	6	8
Oats	Avena sativa	2 to 6	6	8
Rye	Secale cereale	2 to 6	6	8
Wheat	Triticum aestivum	2 to 6	6	8
Volunteer Corn <sup>(3)</sup>	Zea mays	4 to 12	4	6
Volunteer Corn <sup>(3)</sup>	Zea mays	12 to 24	6	8
Volunteer Corn (S.R.) <sup>(4)</sup>	Zea mays	4 to 12	8 (suppressio	n only)
Volunteer Grain Sorghum	Sorghum bicolor	8 to 12	6	8
Wild Oats	Avena fatua			8
Wild Proso Millet	Panicum miliaceum	2 to 10	6	8
Witchgrass	Panicum capillare	2 to 8	6	8
Woolly Cupgrass	Eriochloa villosa	2 to 8	6	8

<sup>\*</sup> Generally occurs between 3-leaf stage and tillering.

<sup>\*\*</sup> Length of lateral growth.

<sup>(1)</sup>Rates higher than 8 fl oz/A (0.125 lb ai/A) may be applied in certain geographic areas, cropping situations, or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 8 to 16 fl. oz/A (0.125 to 0.250 lb ai/A) may be

When a cereal grain crop (including wheat) is interseeded for crop establishment or is planted as wind breaks to aid crop establishment, the minimum Select 2 EC Herbicide use rate for control is 8 fl oz/A (0.125 lb ai/A). (0.125 lb ai/A). (1.125 lb ai/A). (1.125 lb ai/A). (1.125 lb ai/A). (1.125 lb ai/A).

<sup>(4)</sup> Sethoxydim resistant volunteer corn.

## INSTRUCTIONS FOR ANNUAL & PERENNIAL GRASS CONTROL IN ESTABLISHED ALFALFA AND MINT WITH SELECT 2 EC HERBICIDE

GRASS SPECIES	WEED STAGE	RATE FL OZ/ ACRE	HIGH RATE
Annual & Perennial Grasses Listed in Grass Table	See Table	10	16

**Mowing:** The best control of annual grasses can be achieved by applying *Select* 2 EC Herbicide before grass weeds are mowed. Once a grass is mowed it becomes tougher to control, as much of the available leaf surface has been removed. In areas without a killing frost, some annuals can over-winter after having been mowed multiple times. These grasses form large crowns and may contain many viable buds. These grasses, even though they may be an annual grass, may require repeated applications of *Select* 2 EC Herbicide for partial or complete control.

**Irrigated Alfalfa and Mint:** Irrigation practices can be very critical to the successful use of *Select* 2 EC Herbicide in established alfalfa and mint and may be necessary to initiate active growth of the weeds prior to application. Generally applications

2 to 4 days after an irrigation are most effective. Irrigation made shortly after application (2 days) can be effective, but more consistent grass control occurs when the irrigation is made before the application.

**Aerial Application:** Apply Select 2 EC Herbicide in a minimum of 10 GPA in established alfalfa and mint when applying by air.

**Annual Grass Control:** Apply *Select* 2 EC Herbicide at the grass sizes indicated in the Directions for Annual Grass Table and rates indicated. If a grass has been cut, apply *Select* 2 EC Herbicide after active growth has resumed and regrowth has reached the minimum height and before it reaches the maximum height indicated. Apply before the alfalfa/mint canopy covers the grasses and interferes with the spray coverage. Some annual grasses are spring- and summergerminating plants, while others are fall-germinating plants, and the time they are actively growing and most susceptible to

Select 2 EC Herbicide may vary from region to region. Also some annuals germinate over a extended period of time, and because control of small grasses is desired, applications after each weed flush may be required. As a general rule spray spring and summer-germinating grasses as early in the season as possible, after initial green-up. Spray fall-germinating weeds in the fall soon after they begin growing but before any damage is done due to frost. Late fall applications may be less effective due to environmental conditions, such as frost, slower plant growth, or the onset of flowering.

**Perennial Grass Control:** Select 2 EC Herbicide effectively controls perennial grasses including bermudagrass, Johnsongrass, quackgrass, wirestem muhly, tall fescue, foxtail barley and orchardgrass. Due in part to lack of tillage, perennial grasses are more difficult to control in a perennial crop including established alfalfa or mint. A program of repeated applications is usually necessary for best results. The best way to control perennial grasses is to do so in the year of stand establishment before rhizomes and stolons become large and difficult to kill.

Use the high rate under heavy grass pressure and/or when grasses are at or near maximum height.

Always add a crop oil concentrate at 1 qt/A by ground or 1% v/v (but not less than 1 pt/A) to the finished spray volume by air.

#### INSTRUCTIONS FOR ANNUAL BLUEGRASS CONTROL WITH SELECT 2 EC HERBICIDE

GRASS SPECIES	WEED STAGE	RATE FL OZ/ ACRE	HIGH RATE
Annual Bluegrass ( <i>Poa annua</i> )	to 4-leaf	6*	16

Apply under favorable soil moisture and humidity, which exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).

Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.

Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.

Always add a crop oil concentrate at 1 qt/A by ground to the finished spray volume.

\*Use a minimum of 10 fl oz/A (0.156 lb ai/A) to control annual bluegrass in seedling and established alfalfa and mint.

# DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES IN CANOLA, DRIED SHELLED BEAN & PEA (INCLUDING SOYBEAN), EDIBLE PODDED LEGUME VEGETABLES, FLAX, MUSTARD SEED, BEAN & PEA (SUCCULENT SHELLED) AND SUGAR BEET (REDUCED RATE DIRECTIONS NOT FOR USE IN CALIFORNIA)

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Regrowth by tillering may occur if application is made when plants are stressed by lack of moisture, excessive moisture, low or high temperatures and/or under very low humidity.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)	RATE FL OZ/ ACRE <sup>(1)</sup>
Barnyardgrass	Echinochloa crus-galli	1 to 4	4
Broadleaf Signalgrass	Brachiaria platyphylla	1 to 4	5
Crabgrass			
Large	Digitaria sanguinalis	1 to 3*	4
Large	Digitaria sanguinalis	1 to 4*	5
Smooth	Digitaria ischaemum	1 to 3*	4
Smooth	Digitaria ischaemum	1 to 4*	5
Southern	Digitaria ciliaris	1 to 4*	5
Fall Panicum	Panicum dichotomiflorum	1 to 4	4
Foxtail			
Giant	Setaria faberi	1 to 4	4
Green	Setaria viridis	1 to 4	4
Millet	Setaria italica	1 to 4	5
Yellow	Setaria glauca	1 to 4	4
Seedling Johnsongrass	Sorghum halepense	1 to 6	5
Shattercane	Sorghum bicolor	4 to 10	4
Texas Panicum	Panicum texanum	1 to 4	5
Volunteer Cereals			
Barley	Hordeum vulgare	1 to 4	5
Oats	Avena sativa	1 to 4	5
Wheat	Triticum aestivum	1 to 4	5
Volunteer Corn**	Zea mays	4 to 12	4
Wild Proso Millet	Panicum miliaceum	1 to 6	4
Wild Oats	Avena fatua	1 to 4	5

<sup>\*</sup>Length of lateral growth

<sup>\*\*</sup>Not S.R. Corn

<sup>&</sup>lt;sup>(1)</sup>Always add a crop oil concentrate at 1 qt/A by ground application to the finished spray volume.

#### **INSTRUCTIONS FOR PERENNIAL GRASSES**

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

#### Restrictions

- Do not exceed the maximum application rate listed in Table 1, Crop Specific Use Directions and Restrictions for Select 2 EC Herbicide.
- Do not exceed the maximum number of applications per year listed in Table 1, Crop Specific Use Directions and Restrictions for Select 2 EC Herbicide.
- Do not exceed the maximum yearly rate listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.

#### **INSTRUCTIONS FOR PERENNIAL GRASSES** continued

GRASS SPECIES	WEED HEIGHT (inches)	RATE FL OZ/ ACRE	HIGH RATE
Bermudagrass (Cynodon dactylon)			
First Application	3 (or up to 6" runners)	8	16
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8	16
Fescue, Tall (Festuca arundinacea)			
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16
Foxtail Barley (Hordeum jubatum)			
First Application	2 to 6	8	16
Repeat Application(s) (if regrowth occurs)	2 to 6	8	16
Orchardgrass ( <i>Dactylis glomerata</i> )			
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16
Quackgrass* (Elytrigia repens)			
First Application	4 to 12	8	16
Repeat Application(s) (if regrowth occurs)	4 to 12	8	16
Rhizome Johnsongrass (Sorghum halepense)			
First Application	12 to 24	8	16
Repeat Application(s) (if regrowth occurs)	6 to 18	6	8
Wirestem Muhly ( <i>Muhlenbergia frondosa</i> )			
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16
Perennial Bluegrass*			
Roughstalk ( <i>Poa trivialis</i> )			
Kentucky (Poa prantensis)			
First Application	2 to 4	8	16
Repeat Application(s) (if regrowth occurs)	2 to 4	8	16
Bentgrass* (Agrostis spp.)			
First Application	2 to 4	-	16
Repeat Application(s) (if regrowth occurs)	2 to 4	-	16

<sup>\*</sup>Control of quackgrass, perennial bluegrass and bentgrass with *Select* 2 EC Herbicide may be enhanced by adding Ammonium Sulfate (AMS) at 2.5 to 4.0 lb/A

#### TANK MIXES INFORMATION

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture, including all crop rotational and other crop restrictions. Those concerns may include, but are not limited to:

- 1. Geographic restrictions all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
- 2. Crop rotation restrictions;
- 3. Applicator certification requirements;
- 4. Worker safety rules (e.g. protective clothing, reentry time, posting);
- 5. Soil type or soil characteristics (e.g. pH, OM);
- 6. Maximum dosage or number of applications per year;
- 7. Rain free period required; or
- 8. Application timing (e.g. pre-harvest interval)
- 9. Do not exceed the total yearly rates.

## TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and broadleaf weeds at specified height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the specified height or growth stage for treatment.
- Apply under favorable soil moisture and humidity that exist a few days after rainfall or within seven days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the labeled rate for each specific tank mix combination.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop injury as compared to either product used alone. If regrowth occurs, or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide, as specified in the respective size and rate tables.
- Do not tank mix *Select* 2 EC Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

#### MIXING INSTRUCTIONS

- 1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
- 2. While agitating, add the correct amount of *Select* 2 EC Herbicide. Agitation should create a rippling or rolling action on the water surface.
- 3. If tank mixing *Select* 2 EC Herbicide with other labeled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates, and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
- 4. Add any required adjuvants (crop oil concentrate, non-ionic surfactant and/or nitrogen solution).
- 5. Fill spray tank to desired level with water. **Agitation should continue until all spray solution has been applied.**

Failure to agitate the spray solution may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

#### **INFORMATION ON ANTAGONISM**

Tank mixes of *Select* 2 EC Herbicide with postemergence broadleaf herbicides have shown some reduction or failure to control certain grass species which would have otherwise been controlled when SELECT 2 EC is applied alone. Activity of the postemergence broadleaf herbicide in the tank mix is not affected.

#### **ALFALFA**

Table 1. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR ALFALFA

(Refer to the instruction tables above for specific grasses and growth stages)

(Refer to the instruction tables above for specific grasses and growth stages)					
	APPLICATION	RATES/ACRE <sup>(1)</sup>	CROP		
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CONCENT (V/V		
			GROUND	AIR	
Select 2 EC Herbicide	10 to 16 fl oz	10 to 16 fl oz			
+	+	+	1%	1%	
2,4-DB <sup>(4)</sup>	Refer to 2,4-DB label for use rate.	Refer to 2,4-DB label for use rate.			
Select 2 EC Herbicide	10 to 16 fl oz				
Pursuit DG <sup>(5)</sup> (imazethapyr) or Pursuit <sup>(5)</sup>	Refer to Pursuit DG or Pursuit labels for use rate.	-	1%	1%	
(imazethapyr)	40.4.40.5				
Select 2 EC Herbicide  +  Buctril® 2L <sup>(6)</sup> (bromoxynil)	10 to 16 fl oz + Refer to Buctril 2L label for use rate.	-	0.5%	0.5%	

frigrass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

Restriction: Do not feed, graze, or harvest alfalfa for 30 days following an application of Pursuit to alfalfa. <sup>(6)</sup>In the states of Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada and the western halves of North Dakota, South Dakota, Nebraska, and Kansas: The *Select* 2 EC Herbicide plus Buctril tank mix must be applied in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliates. Unacceptable crop injury may occur to alfalfa seedlings less than the 2 trifoliate leaf stage. *Select* 2 EC Herbicide plus Buctril applications made when temperatures are expected to exceed 80°F at (and 3 days following) application can result in unacceptable crop injury. In the states not listed above, apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliate leaves. When alfalfa stand is uneven and conditions favor leaf burn, unacceptable crop injury may occur to alfalfa in the 2 trifoliate or smaller stage of growth. *Select* 2 EC Herbicide plus Buctril applications made when temperatures are expected to exceed 70°F at (and 3 days following) application can result in unacceptable crop injury. Crop leaf burn can occur following *Select* 2 EC Herbicide plus Buctril application. Warm, humid conditions may enhance leaf burn. New crop growth will not be affected.

(7) **Restriction:** Do not apply when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.

<sup>&</sup>lt;sup>(2)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.
(4) Select 2 EC Herbicide plus 2,4-DB may increase the severity of crop injury when tank mixed. Alfalfa plants will generally outgrow this temporary crop injury within a few weeks.

<sup>(5)</sup> Before using this tank mix, read and understand the Pursuit or Pursuit DG labels for geographical restrictions and restrictions regarding alfalfa growth stage and type. Failure to do so can result in crop injury to alfalfa.

#### **CANOLA (EXCEPT FLAX)**

#### [Rapeseed Subgroup 20A (except flax seed, mustard seed and sesame seed)]

Table 2. REDUCED RATE SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES (Refer to the instruction tables above for specific grasses and growth stages.)

(1. to 10. to the mediane tables above 10. specime graces and grant to tage 0.)				
	APPLICATION	RATES/ACRE	AMMONIUM SULFATE	
PRODUCT	ANNUAL PERENNIAL		7	
	GRASSES <sup>(1)</sup>	GRASSES	GROUND	AIR
Select 2 EC Herbicide(2)	4 to 5 fl oz			
+	+		2016	2016
Liberty <sup>®(3)</sup>	Refer to Liberty	-	3.0 lb	3.0 lb
(glufosinate)	label for use rate.			

<sup>(1)</sup>Annual grasses and sizes controlled with these tank mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES table.

#### COTTON

Table 3. SELECT 2 EC HERBICIDE TANK MIXED WITH COBRA® HERBICIDE AND MSMA APPLIED POST DIRECTED TO COTTON

PRODUCT <sup>(1)</sup>	APPLICATION F	RATES/ACRE <sup>(2)</sup>	CROP OIL CONCENTRATE <sup>(3)</sup> V/V	COMMENTS	
	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND		
Select 2 EC Herbicide <sup>(4)</sup>	6 to 8 fl oz	8 to 16 fl oz	1%	Reduce broadcast rate	
+	See Cobra Herbic	in proportion to the band area			
Cobra Herbicide	weeds and height	weeds and height limitations for cotton. Refer to the			
(lactofen)	Select 2 EC Herbi	cide label for weed	I height and species	actually	
+	controlled.			treated.	
MSMA	See MSMA label f	or rate to control b	roadleaf weeds and		
(4.0 lb/gal)	height limitations f				
or	Herbicide label for				
MSMA					
(6.6 lb/gal)					

<sup>(1)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(2)</sup> **Restriction:** Do not apply *Select* 2 EC Herbicide tank mix during or after bolting or flowering or crop injury may occur.

<sup>(3)</sup> For use only on Liberty Link canola

<sup>(2)</sup>If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.

<sup>(4)</sup> If at the time of application, grass height is so tall that post-directed applications cannot get good coverage over the top of the grassy weeds, then poor control may result and a second (non-post directed) application of *Select* 2 EC Herbicide may be necessary.

#### **COTTON** (continued)

Table 4. SELECT 2 EC HERBICIDE TANK MIXED WITH BUCTRIL 4 EC TO CONTROL EMERGED WEEDS IN BXN COTTON AS A BROADCAST APPLICATION

PRODUCT <sup>(1)</sup>	APPLICATION RATE/ACRE <sup>(2)</sup>	CROP OIL CONCENTRATE	COMMENTS <sup>(7)</sup>				
PRODUCT	ANNUAL GRASSES	PER ACRE <sup>(3)</sup>	COMMENTS				
Select 2 EC Herbicide	8 to 16 fl oz	1 qt	See charts for				
+ (450)			grasses				
Buctril 4 EC <sup>(4,5,6)</sup> (bromoxynil)	Refer to Buctril 4 EC label for use rate to control broadleaf weeds and height limitations for cotton.		controlled.				

<sup>(1)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage.

Table 5. SELECT 2 EC HERBICIDE TANK MIXED WITH GLYPHOSATE TO CONTROL EMERGED **GRASSES IN COTTON AS A BROADCAST APPLICATION** 

	APPLICATION RATE/ACRE <sup>(1)</sup> ADJUVANT		VANT		
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	Glyphosate formulation with built in adjuvant	Glyphosate formulation without built in adjuvant	COMMENTS
Select 2 EC Herbicide +	6 to 8 fl oz	8 to 16 fl oz	Non-ionic surfactant @ 0.125 to	Crop oil concentrate @ 1 pt/A	See charts for grasses controlled.
Glyphosate	Refer to glyphouse rate to conweeds and heigotton.		0.25% v/v plus ammonium sulfate @ 8.5 to 17 lb per 100 gals of carrier	plus ammonium sulfate @ 8.5 to 17 lb per 100 gals of carrier.	Use a minimum of 10 gals of spray solution per acre.

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Select 2 EC Herbicide at the prescribed rate with the appropriate amount of crop oil concentrate.

<sup>(2)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of Select 2 EC Herbicide at the prescribed rate with the appropriate amount of crop oil concentrate in a non-

<sup>&</sup>lt;sup>(3)</sup>Always add a crop oil concentrate at 1 qt/A by ground in the finished spray solution.

<sup>&</sup>lt;sup>(4)</sup>Applications of Buctril 4 EC can be made only to BXN cotton or other cotton where bromoxynil can be applied in postemergence over-the-top applications.

(5) Restriction: Do not apply the Select 2 EC Herbicide plus Buctril tank mix within 75 days of harvest.

<sup>(6)</sup> **Restriction:** Do not exceed 2 applications of Buctril before cotton is 12 inches tall and one application after 12 inches tall.

<sup>&</sup>lt;sup>(7)</sup>Use a minimum of 10 gals of spray solution per acre.

## BEANS (DRY AND SUCCULENT SHELLED) [Succulent Shelled Pea and Bean Subgroup 6B] [Dried Shelled Pea and Bean (except Soybean 6C]

Table 6. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR BEANS (DRY AND SUCCULENT SHELLED)

(Refer to the instruction tables above for specific grasses and growth stages.)

PDODUOT <sup>(2)</sup>	APPLICATION	RATES/ACRE <sup>(1)</sup>	CRO CONCEN	P OIL ITRATE <sup>(3)</sup>
PRODUCT <sup>(2)</sup>	ANNUAL PERENNIAL		(V	/V)
	GRASSES	GRASSES	GROUND	AIR
Select 2 EC Herbicide	8 to 10 fl oz	10 to 16 fl oz		
+	+	+	1%	1%
Basagran <sup>®</sup>	Refer to Basagran	Refer to Basagran		
(bentazon)	label for use rate.	label for use rate.		

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

<sup>&</sup>lt;sup>(2)</sup>Broadleaf weed control may be reduced when grass populations are tall enough or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.

#### **FLAX**

Table 7. REDUCED RATE SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR FLAX

(Refer to the instruction tables above for specific grasses and growth stages)

	APPLICATION RA	TES/ACRE	CROP OIL	
PRODUCT	ANNUAL GRASSES <sup>(1)</sup>	PERENNIAL GRASSES	GROUND	RATE AIR
Select 2 EC Herbicide + Bronate Advanced <sup>TM(2, 3)</sup> (bromoxynil)	4 to 5 fl oz  +  Refer to Bronate  Advanced label for  use rate.	-	1 pt	1 pt
Select 2 EC Herbicide + Bronate <sup>®(2, 3)</sup> (bromoxynil)	4 to 5 fl oz + Refer to Bronate label for use rate.	-	1 pt.	1 pt.
Select 2 EC Herbicide + Buctril <sup>(2, 3)</sup> (bromoxynil)	4 to 5 fl oz + Refer to Buctril label for use rate.	-	1 pt	1 pt
Select 2 EC Herbicide + Rhonox <sup>®(2, 3)</sup> (MCPA Ester)	4 to 5 fl oz + Refer to Rhonox label for use rate.	-	1 pt	1 pt

<sup>(1)</sup>Annual grasses and sizes controlled with these tank mixtures are those that are identified in the DIRECTIONS FOR REDUCED RATE TO CONTORL SMALL ANNUAL GRASSES table.

<sup>(2)</sup> **Restriction:** Do not apply *Select* 2 EC Herbicide tank mix during or after the bud stage or to ornamental flax or crop injury may occur.
(3) **Restriction:** Do not apply tank mixes if temperatures are expected to exceed 85°F at (or 3 days)

following) application or crop injury may occur.

#### **SOYBEAN**

Table 8. SELECT 2 EC HERBICIDE TANK MIXES (3) TO CONTROL ANNUAL GRASSES WHEN **USED AS A BURNDOWN IN NO-TILL SOYBEAN** 

PRODUCT	PRODUCT RATE/ACRE (1)	GRASS HEIGHT (inches)	CROP OIL CONCENTRATE /ACRE <sup>(2)</sup>	28%N <i>OR</i> 32%N QTS./A <i>OR</i> 2.5 TO 4.0 LB AMS
Select 2 EC Herbicide + 2,4-D ester*(3)	3 fl oz	Foxtail 1 to 3 Fall Panicum 1 to 3	1 qt	1 to 2 qt or 2.5 to 4.0 lb AMS
	4 fl oz	Foxtail 1 to 4 Fall Panicum 1 to 4	1 qt	1 to 2 qt or 2.5 to 4.0 lb AMS
	6 to 8 fl oz + Refer to 2,4-D ester label for use rate.	(See Grass Chart for grasses claimed.)	1 qt	1 to 2 qt or 2.5 to 4.0 lb AMS

<sup>\*2,4-</sup>D ester must not be used where drift sensitive crops may be grown.

(1) If regrowth occurs or an additional flush of new grass emerges, make a second application of Select 2 EC Herbicide according to the appropriate size and rate requirements.

(2)
Always use a crop oil concentrate at the listed rate in the finished spray volume.

<sup>(3)</sup> The following products can be tank mixed with *Select* 2 EC Herbicide plus 2,4-D ester: Valor<sup>®</sup> Herbicide, Authority<sup>™</sup> Broadleaf, Canopy XL<sup>®</sup>, Dual<sup>®</sup> 8 E, Dual II<sup>®</sup>, Dual Magnum<sup>®</sup>, Prowl, Sencor<sup>®</sup>, Sencor plus the Dual products and Turbo<sup>®</sup>.

Table 9. SELECT 2 EC TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Refer to the instruction tables above for specific grasses and growth stages.)

PRODUCT <sup>(2)</sup>	APPLICATION RATES/ACRE <sup>(1)</sup> ANNUAL PERENNIAL		CROP OIL CONCENTRATE <sup>(3)</sup> (V/V)	
	GRASSES	GRASSES	GROUND	AIR
Select 2 EC Herbicide + Cobra Herbicide (lactofen) (EPA Reg. No.	6 to 8 fl oz + 12.5 fl oz	8 to 16 fl oz + 12.5 fl oz	0.5 to 1%	1%
59639-34) Select 2 EC Herbicide + Basagran 4 SL (bentazon)	8 to 10 fl oz + Refer to Basagran label for use rate.	10 to 16 fl oz + Refer to Basagran label for use rate.	1%	1%
Select 2 EC Herbicide + Glyphosate (For use on Roundup Ready soybean only)	6 to 8 fl oz + Refer to glyphosate label for use rate.	8 to 16 fl oz + Refer to glyphosate label for use rate.	0.5 to 1% <sup>(4)</sup>	1% <sup>(4)</sup>
Select 2 EC Herbicide + Ultra Blazer <sup>®</sup> (acifluorfen)	6 to 8 fl oz + Refer to Ultra Blazer label for use rate.	6 to 8 fl oz + Refer to Ultra Blazer label for use rate.	0.5 to 1%	1%

continued

Table 9. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN

PRODUCT <sup>(2)</sup>	APPLICATION	RATES/ACRE <sup>(1)</sup>	CROP OIL CONCENTRATE <sup>(3)</sup> (V/V	
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIE' (V/V)
Select 2 EC Herbicide	6 to 8 fl oz	8 to 16 fl oz		
+	+	+		
Flexstar® HL <sup>(6)</sup>	Refer to the	Refer to the	1%	1%
(fomesaafen)	Flexstar HL label	Flexstar HL label		
Select 2 EC Herbicide	for use rate. 8 to 10 fl oz	for use rate. 10 to 16 fl oz		
Select 2 EC Herbicide	+	+		
Classic <sup>®</sup> 25 DG	Refer to Classic	Refer to Classic	1%	1%
(chlorimuron ethyl)	label for use rate.	label for use rate.		
Select 2 EC Herbicide <sup>(4)</sup>	6 to 8 fl oz	8 to 16 fl oz		
+	+	+		
Pursuit 70 DG	Refer to Pursuit	Refer to Pursuit 70	1%	1%
(imazethapyr)	70 DG label for	DG label for use		
(5)	use rate.	rate.		
Select 2 EC Herbicide <sup>(5)</sup>	8 to 10 fl oz			
+ Cabrallarbiaida	+ C to 0 fl o=			
Cobra Herbicide (lactofen)	6 to 8 fl oz			
(EPA Reg. No.		_	0.5%	1%
59639-34)	+	_	0.570	1 70
+	Refer to Classic			
Classic 25 DG	25 DG label for			
(chlorimuron ethyl)	use rate.			
Select 2 EC Herbicide <sup>(5)</sup>	8 to 10 fl oz			
+	+			
Cobra Herbicide	6 to 10 fl oz			
(lactofen)			0.50/	407
(EPA Reg. No.		-	0.5%	1%
59639-34)	+ Refer to			
Basagran 4 SL	Basagran label			
(bentazon)	for use rate			
Select 2 EC Herbicide <sup>(5)</sup>	8 to 10 fl oz			
+	+			
Cobra Herbicide	6 to 10 fl oz			
(lactofen)				
(EPA Reg. No.		_	0.5%	1%
59639-34)	+			
+ Durauit 70 DC	Refer to Pursuit			
Pursuit 70 DG (imazethapyr)	70 DG label for use rate.			
(IIIIazetilapyi)	use late.			

continued

Table 9. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN

PPOPUST <sup>(2)</sup>	APPLICATION	RATES/ACRE <sup>(1)</sup>	CROP (	
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES	CONCENTRATE <sup>(3)</sup> (V/V)  GROUND AIR	
Select 2 EC Herbicide (5) + Resource <sup>®</sup> Herbicide	8 to 10 fl oz + 4 fl oz			
(flumiclorac) (EPA Reg. No. 59639-82) + Pursuit 70 DG (imazethapyr)	+ Refer to Pursuit 70 DG for use rate.	-	1%	1%
Resource Herbicide (flumiclorac) (EPA Reg. No. 59639-82) + Basagran (bentazon)	8 to 10 fl oz  + 4 fl oz  + Refer to Basagran label for use rate.	-	1%	1%
Select 2 EC Herbicide  +  Resource Herbicide  (flumiclorac)  (EPA Reg. No.  59639-82)  +  Classic  (chlorimuron ethyl)	8 to 10 fl oz  + 4 fl oz  + Refer to Classic label for use rate.	-	1%	1%
Select 2 EC Herbicide  +  Cobra Herbicide  (lactofen)  (EPA Reg. No. 59639-34)  +  Resource Herbicide  (flumiclorac)  (EPA Reg. No. 59639-82)	6 to 8 fl oz + 6 fl oz + 4 fl oz	-	0.5%	1%
Select 2 EC Herbicide <sup>(5)</sup> + FirstRate <sup>®</sup> (cloransulam)	6 to 8 fl oz + Refer to Firstrate label for use rate.	8 to 16 fl oz + Refer to FirstRate label for use rate.	1%	-

Table 9. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN

(Refer to the instruction				
PRODUCT <sup>(2)</sup>	APPLICATION		CROP OIL CONCENTRATE <sup>(3)</sup> (V/V	
11.02001	ANNUAL GRASSES	PERENNIAL GRASSES	GROUND	AIR
Select 2 EC Herbicide <sup>(5)</sup>	6 to 8 fl oz	8 to 16 fl oz	GKOOND	AIIX
+	+	+		
Cobra Herbicide	6 to 8 fl oz	6 to 8 fl oz		
(lactofen)	+	+		
(EPA Reg. No.	Refer to FirstRate	Refer to FirstRate	1%	-
59639-34)	label for use rate.	label for use rate.		
Firstrate				
(cloransulam)				
, , ,				
Select 2 EC Herbicide <sup>(5)</sup>	6 to 8 fl oz			
Raptor® (1 AS)	Refer to Raptor (1		1%	
(imazamox)	AS) label for use	-	1 70	-
,	rate.			
Select 2 EC Herbicide <sup>(5)</sup>	6 to 8 fl oz			
+	+			
Cobra Herbicide	6 to 8 fl oz			
(lactofen)				
(EPA Reg. No. 59639-34)		-	1%	-
33033-34)	+			
+	Refer to Raptor (1			
Raptor (1 AS)	AS) label for use			
(imazamox)	rate.			
Select 2 EC Herbicide <sup>(5)</sup>	6 to 8 fl oz <sup>(/)</sup>			
Synchrony <sup>®</sup> XP	Refer to Synchrony		1 qt	_
(chlorimuron +	XP label for use		. 4.	
thifensulfuron)	rate.			
Select 2 EC Herbicide <sup>(5)</sup>	6 to 8 fl oz <sup>(7)</sup>			
+ Cobra Herbicide	+ 4 to 8 fl oz			
(lactofen)	4 10 6 11 02			
(EPA Reg. No.				
59639-34)		-	1 pt	-
	+			
+ Synobropy VD	Refer to Synchrony			
Synchrony XP (chlorimuron +	XP label for use rate			
thifensulfuron)	Tale			
Select 2 EC Herbicide <sup>(5)</sup>	6 to 8 fl oz			
+	+			
Resource Herbicide	4 to 12 fl oz	-	1 qt	-
(flumiclorac) (EPA Reg. No.			'	
59639-82)				
00000-02)				

continued

Table 9. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN

PRODUCT <sup>(2)</sup>	APPLICATION RATES/ACRE <sup>(1)</sup>		CROP OIL - CONCENTRATE <sup>(3)</sup> (V/V)	
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	`	
			GROUND	AIR
Select 2 EC Herbicide	6 to 8 fl oz	8 to 16 fl oz		
+	+	+		
FirstRate	Refer to FirstRate			
(cloransulam)	and Flexstar HL	Refer to FirstRate	1%	-
+ ′	label for use rates.	and Flexstar HL		
Flexstar HL <sup>(5)</sup>		label for specific		
(fomesafen)		application rates.		

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

<sup>&</sup>lt;sup>(2)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume. (4) The addition of 2.5 lb of ammonium sulfate is required when *Select* 2 EC Herbicide is tank mixed with glyphosate. If the glyphosate formulation has a stand alone built in adjuvant, add 0.125% v/v non-ionic surfactant in place of crop oil concentrate. If the glyphosate formulation does not have a built in adjuvant system, add 0.5 to 1% crop oil concentrate for ground application and 1% v/v for aerial application. (5) The addition of 1 to 2 qt/A of liquid fertilizer (10-34-0, 28%N, or 32%N) is recommended when *Select* 2 EC Herbicide is tank mixed with Pursuit, Resource, Storm, Firstrate, Synchrony, Raptor, Frontrow, *Cobra* Herbicide plus Classic, *Cobra* Herbicide plus Basagran, *Cobra* Herbicide plus Pursuit, Cobra plus Firstrate, *Cobra* Herbicide plus Synchrony, and *Cobra* Herbicide plus Raptor. An equivalent amount (2.5 to 4.0 lb/A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.

<sup>&</sup>lt;sup>(6)</sup>Refer to Flexstar HL label for geographic and rotational restrictions.

<sup>(7)</sup> Annual grasses and sizes controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

#### **SOYBEAN** (continued)

Table 10. REDUCED RATE SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR SOYBEAN (Refer to table Directions for reduced rate to control small annual grasses in canola, dried shelled bean & pea (including soybean, edible podded legume vegetables, flax, mustard seed, bean & pea (succulent) and sugar beet )(Reduced rate directions not for use in California)

	APPLICATION RA	TES/ACRE <sup>(1)</sup>	CROP OIL CONCENTRATE <sup>.(3,4)</sup> (V/V)	
PRODUCT	ANNUAL GRASSES <sup>(2)</sup>	PERENNIAL GRASSES		
			GROUND	AIR
Select 2 EC Herbicide + FirstRate (cloransulam)	4 to 8 fl oz + Refer to FirstRate label for use rate.	-	1%	1%
Select 2 EC Herbicide + Pursuit 70 DG (imazethapyr)	4 to 6 fl oz + Refer to Pursuit 70 DG for use rate.	-	1%	1%

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

<sup>(2)</sup> Annual grasses and sizes controlled with these tank mixtures are those that are identified in the **DIRECTIONS FOR REDUCED RATE TO CONTROL SMALL ANNUAL GRASSES** table.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume. (4) The addition of 1 to 2 qt/A of liquid fertilizer (10-34-0, 28%N, or 32%N) is required when *Select* 2 EC Herbicide is tank mixed at reduce rates. An equivalent amount (2.5 to 4.0 lb/A) of spray grade ammonium sulfate (AMS) may be added in place of liquid fertilizer. Fertilizer adjuvants are to be added in addition to the crop oil concentrate.

#### **PEANUT (INCLUDING PERENNIAL)**

Table 11. SELECT 2 EC HERBICIDE TANK MIXES WITH BROADLEAF HERBICIDES FOR PEANUT (INCLUDING PERENNIAL)

(Refer to the instruction tables above for specific grasses and growth stages.)

DD0DU07 <sup>(2)</sup>	APPLICATION RATES/ACRE <sup>(1)</sup>		CROP OIL CONCENTRATE <sup>(3)</sup>	
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES <sup>(2)</sup>	SES <sup>(2)</sup> PERENNIAL (V/V) GRASSES GROUND		,
		GRASSES	GROUND	AIR
Select 2 EC	8 to 10 fl oz			
Herbicide				
+	+	-	1%	1%
Basagran	Refer to Basagran label for			
(bentazon)	use rate.			
Select 2 EC	8 to 10 fl oz			
Herbicide				
+	+	-	1%	1%
Ultra Blazer	Refer to Ultra Blazer label			
(acifluorfen)	for use rate.			

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.

INSTRUCTIONS FOR GRASS SUPPRESSION FOR HARVEST EFFICIENCY IN PEANUT (INCLUDING PERENNIAL) WITH SELECT 2 EC HERBICIDE							
GRASS SPECIES	WEED STAGE	RATE FL OZ/ ACRE	HIGH RATE				
Annual and perennial grasses that exceed height claimed for control on height charts "INSTRUCTIONS FOR ANNUAL GRASSES" & "INSTRUCTIONS FOR PERENNIAL GRASSES"	Up to and including grasses in the seed head stage.	16	32				

**Restriction:** Do not apply as part of a tank mix when applying *Select* 2 EC Herbicide for grass suppression.

Add a crop oil concentrate at 1 qt/A by ground to the finished spray volume.

<sup>(2)</sup> Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

#### SUGAR BEET

Table 12. SELECT 2 EC HERBICIDE TANK MIXED WITH STINGER® APPLIED TO SUGAR BEET (Refer to the instructions tables above for specific grasses and growth stages)

PRODUCT <sup>(2)</sup>	APPLICATION	APPLICATION RATES/ACRE <sup>(1)</sup>		OIL TRATE <sup>(3)</sup> V)
	Annual Grasses	Perennial Grasses	Ground	Air
Select 2 EC Herbicide	6 to 8 fl oz	8 to 16 fl oz	1%	1%
Stinger (clopyralid)	Refer to Stinger la	bel for use rate.		

<sup>(1)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

Table 13. SELECT 2 EC HERBICIDE TANK MIXED WITH BETAMIX® or BETANEX® APPLIED TO SUGAR BEET

	WEEDS	CONTROLLED	WEED	APPLICATION	
PRODUCT <sup>(1)</sup>	COMMON NAME	SCIENTIFIC NAME	HEIGHT (inches)	RATE/ACRE <sup>(2)</sup>	
Select 2 EC	Barnyardgrass	Echinochloa crus-galli	1 to 3	8 fl oz	
Herbicide <sup>(3)</sup>	Foxtail	Setaria spp.	1 to 3		
+	Foxtail Millet	Setaria italica	1 to 3		
Betamix	Wild Oat	Avena fatua	1 to 3		
(desmedipham +	Wild Proso Millet	Panicum miliaceum	1 to 3		
phenmedipham)			Refer Betamix label for		
or			use rates	to control	
Betanex			broadleaf	weeds. <b>No</b>	
(desmedipham)			additives	are advised in	
			the tank r	nix.	
			Refer Betanex label for		
			use rates to control		
			broadleaf weeds. <b>No</b>		
			additives are advised in		
(1)-			the tank r	nix.	

<sup>(1)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>&</sup>lt;sup>(2)</sup>Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.

<sup>(2)</sup> **Restriction:** Do not use crop oil concentrate. No additives are advised in the tank mix. If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix herbicide), according to the appropriate size and rate requirements.

<sup>(3)</sup> If grass regrowth occurs or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide at full label rate with appropriate rate of crop oil concentrate.

TABLE 14. SELECT 2 EC HERBICIDE PLUS BETANEX OR BETAMIX TANK MIX FOR THREE SEQUENTIAL APPLICATIONS FOR ANNUAL GRASS CONTROL (MICRO-RATE APPLICATION)

	APPLICATION	N RATES/ACRE <sup>(1)</sup>	METHYL	
PRODUCT		GRASSES	SEED OIL	<sup>2)</sup> (V/V)
PRODUCT	ANNUAL GRASSES	CONTROLLED (inches)	GROUND	AIR
Select 2 EC	2 to 3 fl oz	Green Foxtail (1-2)	1.5%	1.5%
Herbicide		Yellow Foxtail (1-2)		
+	+	Barnyardgrass (1-2)		
Betanex	Refer to Betanex or	Wild Oat (1-2)		
(desmedipham)	Betamix labels for	Volunteer Cereals (1-2)		
or	use rate.			
Betamix				
(desmedipham +				
phenmedipham)				

The Broadleaf weed control may be reduced when grass populations are tall or dense enough to intercept the spray pattern and prevent them from receiving complete coverage. Tank mixing is not advised in these situations.

#### **Directions for Use for Micro-Rate Applications to Sugar Beet**

Multiple micro-rate applications of *Select* 2 EC Herbicide in tank mixtures with reduced rates of Betanex or Betamix and methylated seed oils may be applied by air or ground equipment to sugar beet to control early germinating annual grasses listed above. Refer to Betanex or Betamix product labels for use rates. Favorable climatic conditions (good conditions for plant growth and development) are essential for adequate weed control. All use precautions and restrictions on the Betanex and Betamix master labels must be followed.

Directions for Using Micro-Rate Multiple Applications of Select 2 EC Herbicide Tank Mixes Apply Select 2 EC Herbicide in broadcast applications only at a rate of 2 to 3 fl oz/A in tank mixture with either Betanex or Betamix. Refer to Betanex or Betamix product labels for use rates. If weed control is not adequate due to climatic conditions, spray coverage or other factors, return to conventional application rates of Select 2 EC Herbicide (6 to 8 fl oz/A) and add rates of Betanex or Betamix as directed on their label. When using conventional rates of Betanex or Betamix in tank mixtures with Select 2 EC Herbicide, a spray adjuvant is not advised.

<sup>(2)</sup> Always use a methylated seed oil at the listed rate (but not less than 1 pt/A) in the finished spray volume.

<sup>(3)</sup>Use 8 fl oz/A rate when sugar beet are in the cotyledon to 4 leaf stage. Rate can be increased up to 12 fl oz/A when the smallest sugar beet plants in the field are in the 4 true leaf stage or larger.

## Use Precautions for Micro-Rate Applications: (See *Select* 2 EC Herbicide, Betanex and Betamix master label for further use precautions.)

Not all weeds will be adequately controlled, even with favorable climatic conditions. Conventional rates of *Select* 2 EC Herbicide, Betanex or Betamix and/or hand labor may be required if multiple micro-rate applications do not adequately control weeds. Plugging of spray nozzles may be encountered due to the potential for formation of a precipitate in the spray solution that is often associated with micro-rate applications. Valent will not be responsible for any nozzle plugging that may occur with the use of multiple micro-rate applications.

#### RESTRICTION: DO NOT USE METHYLATED SEED OIL.

#### **GROUND APPLICATION**

Use of sufficient spray volumes and pressure is essential to ensure complete coverage. Use a minimum of 10 gals and a maximum of 20 gals of spray solution per acre. Spray pressures should reflect a minimum of 30 psi and a maximum of 60 psi at the nozzle. Do not use flood nozzles.

#### **AERIAL APPLICATION**

Use of sufficient spray volumes is essential to ensure complete coverage. Use a minimum of 5 gals and a maximum of 15 gals of spray solution per acre.

Table 15. TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND FUNGICIDES FOR CONTROL OF GRASS WEEDS AND DISEASES IN SUGAR BEET

TOTAL OF THE STATE		• III • • • • • • • • • • • • • • • • •	
PRODUCT <sup>(2)</sup>	APPLICATION	CROP OIL CONCENTRATE <sup>(3)</sup>	
PRODUCT	ANNUAL GRASSES	PERENNIAL GRASSES	(V/V)
Select 2 EC Herbicide	6 to 8 fl oz	8 to 16 fl oz	
+	+	+	1%
Eminent <sup>®</sup> (tetraconazole)	Refer to Eminent label for use rate.	Refer to Eminent label for use rate.	

<sup>(1)</sup> If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix fungicide) according to the appropriate size and rate requirements.

<sup>(2)</sup> Refer to Select 2 EC Herbicide and fungicide label for rates and weeds and diseases controlled.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.

Table 16. TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALA, COTTON, MINT, PEANUT (INCLUDING PERENNIAL), SOYBEAN AND SUNFLOWER

	APPLICATION				CR	OP			
PRODUCT <sup>(2)</sup>	RODUCT <sup>(2)</sup> ANNUAL GRASSES PERENNIAL GRASSES CROP OIL CONCENTRA TE (V/V) <sup>(3)</sup>		CONCENTRA	Alfalfa <sup>(4)</sup>	Cotton	Mint <sup>(4,5)</sup>	Peanut	Soybean	Sunflower
Select 2 EC Herbicide  + Orthene® 75 S (acephate) or Orthene 97 (acephate)	6 to 8 fl oz  +  Refer to Orthene 75 S  or Orthene 97 label for  use rate.	8 to 16 fl oz + Refer to Orthene 75 S or Orthene 97 label for use rate.	1%		X	X	X		
Select 2 EC Herbicide  + Orthene 90 S <sup>(6)</sup> (acephate)	6 to 8 fl oz + Refer to Orthene 90 S label for use rate.	8 to 16 fl oz + Refer to Orthene 90 S label for use rate.	1%		X	X	X	X	
Danitol <sup>®</sup> 2.4 EC Insecticide (fenpropathrin) (EPA Reg. No. 59639-35)	6 to 8 fl oz + 10 2/3 to 16 fl oz	8 to 16 fl oz + 10 2/3 to 16 fl oz	1%		X		X		
Select 2 EC Herbicide  +  Asana XL®  (esfenvalerate)	6 to 8 fl oz + Refer to Asana XL label for use rate.	8 to 16 fl oz + Refer to Asana XL label for use rate.	1%						X
Select 2 EC Herbicide + Warrior <sup>®</sup> (lambda-cyhalothrin)	6 to 8 fl oz + Refer to Warrior label for use rate.	8 to 16 fl oz + Refer to Warrior label for use rate.	1%						X
Select 2 EC Herbicide  +  Warrior (lambda-cyhalothrin)	10 to 16 fl oz <sup>(/)</sup> + Refer to Warrior label for use rate.	10 to 16 fl oz + Refer to Warrior label for use rate.	1%	Х					
Select 2 EC Herbicide + Baythroid <sup>®</sup> (B-cyfluthrin)	10 to 16 fl oz <sup>(/)</sup> + Refer to Baythroid label for use rate.	10 to 16 fl oz + Refer to Baythroid label for use rate.	1%	Х					
Select 2 EC Herbicide + dimethoate	10 to 16 fl oz <sup>(/)</sup> + Refer to dimethoate label for use rate.	10 to 16 fl oz + Refer to dimethoate label for use rate.	1%	X					

continued

Table 16. TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND INSECTICIDES FOR CONTROL OF GRASS WEEDS AND INSECTS IN ALFALFA, COTTON, MINT, PEANUTS (INCLUDING PERENNIAL),

**SOYBEAN AND SUNFLOWER** (continued)

	APPLICATION I	RATES/ACRE <sup>(1)</sup>	CROP OIL CONCENTRATE (V/V) <sup>(3)</sup>		CROP				
PRODUCT <sup>(2)</sup>	ANNUAL GRASSES	PERENNIAL GRASSES			Cotton	Mint <sup>(4,5)</sup>	Peanut	Soybean	Sunflower
Select 2 EC Herbicide + Pounce® (permethrin)	10 to 16 fl oz <sup>(7)</sup> + Refer to Pounce label for use rate.	10 to 16 fl oz + Refer to Pounce label for use rate.	1%	Х					

<sup>(1)</sup> If grass regrowth occurs, or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide alone (without a tank mix insecticide) according to the appropriate size and rate requirements.

<sup>(2)</sup> Refer to Select 2 EC Herbicide and insecticide label for rates and weeds and insects controlled.

<sup>(3)</sup> Always use a crop oil concentrate at the listed rate (but not less than 1 pt/A) in the finished spray volume.

<sup>&</sup>lt;sup>(4)</sup>Certain insecticides may cause temporary phytotoxic symptoms on alfalfa and mint foliage. Refer to the insecticide label for further information. It is suggested that prior to using any of these insecticide/herbicide tank mixtures, that a small area of the field be treated first and observations for crop injury be made prior to treating the whole field.

<sup>(5)</sup> The Select 2 EC Herbicide rate needs to be 6 to 8 fl oz/A for annual grass control in baby mint, minimum of 8 fl oz/A for annual grass control in established mint and 8 to 16 fl oz/A for perennial grass control. Crop oil concentrate should be added at the rate of 1.0 to 2.0 pt/A.

<sup>(6)</sup> Insecticide tank mix use with Orthene 90 S in soybean is permitted only in a state having an approved Section 24(c) registration for Orthene 90 S use in soybean.

The Select 2 EC Herbicide rate needs to be 6 to 8 fl oz/A for annual grass control in seedling alfalfa.

<sup>(8)</sup> For the Select 2 EC Herbicide plus Lorsban tank mix, reduce the adjuvant rate down to 1.0 pt/A when tank mixed with Lorsban.

Table 17. INSTRUCTIONS FOR ROUNDUP READY VOLUNTEER CORN CONTROL IN ROUNDUP READY SOYBEAN WITH SELECT 2 EC HERBICIDE TANK MIX

Roundup Ready Volunteer Corn Height (inches)	Select 2 EC Herbicide Rate fl oz/A	Glyphosate <sup>(1)</sup> rate for formulations <b>with</b> built in adjuvant	Adjuvant
<12	4	Refer to glyphosate label for	Non-ionic surfactant @
12 to 18	5	use rate.	0.125 to 0.25% v/v plus ammonium sulfate @
18 to 24	6		8.5 to 17 lbs per 100 gals/ of carrier

Roundup Ready Volunteer Corn Height (inches)	Select 2 EC Herbicide Rate fl oz/A	Glyphosate <sup>(1)</sup> rate for formulations <b>without</b> built in adjuvant	Adjuvant
<12	4	Refer to glyphosate label for	Crop oil concentrate @
12 to 18	5	use rate.	1 pt/A plus ammonium sulfate @ 8.5 to 17 lb per 100 gals of
18 to 24	6		carrier

<sup>(1)</sup>Glyphosate formulation must be labeled for use on Roundup Ready soybean.

## THE MOST RESTRICTIVE LABELING OF ANY PRODUCT USED IN A TANK MIX MUST BE FOLLOWED.

- Apply only to actively growing grass and broadleaf weeds at specified height or growth stage listed on each label.
- Apply under favorable soil moisture and humidity which exist a few days after rainfall or within seven days after irrigation.
- Tank mix applications may sometimes result in reduced grass control. If regrowth occurs, or an additional flush of new grass emerges, make a second application of *Select* 2 EC Herbicide, as specified in the respective size and rate tables.
- Avoid contact with foliage, green stems, or fruit crops, or any desirable plants and trees, other than soybean with the Roundup Ready gene as severe injury or destruction will result.
- This tank mix may be applied postemergence to Roundup Ready soybean up through the full flowering stage.

#### Restrictions

- Do not tank mix *Select* 2 EC Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.
- Do not apply less than 60 days before harvest.
- Do not allow the Select 2 EC Herbicide plus Roundup to mist, drip, drift or splash onto desirable vegetation as minute quantities of the tank mix can cause severe damage or destruction to the crops, plants or other areas on which treatment was not intended. The likelihood of injury occurring from drift of this product is greatest when winds are gusty or in excess of 5 miles per hour. Even under lesser wind velocities, avoid conditions that allow spray drift to occur such as combinations of spray pressure and nozzle type that will result in fine particles (mist) that are likely to drift.

CONIFER TREES SPECIFIC RESTRICTIONS AND DIRECTIONS FOR SELECT 2 EC HERBICIDE					
CROPS		Use Rates	Special Heat Instructions		
Common Name	Scientific Name	Per Acre	Special Use Instructions		
Arborvitae, American	Thuja occidentalis	6-16 fl oz	Select 2 EC Herbicide can be used to		
Cedars	Cedrus spp.		control labeled grasses in Christmas		
Cypress	Taxodium spp.		tree farms, conifer nurseries and conifer		
Fir, Douglas	Pseudotsuga menziesii		plantations (but not in forests).		
Firs	Abies spp.				
Hemlock,	Tsuga candensis		Add a non-ionic surfactant containing at		
Canadian/Eastern			least 80% active ingredient at the rate		
Hemlock, Western	Tsuga heterophylla		of 1 pt per 50 gals (0.25% v/v).		
Pines	Pinus spp.				
Spruces	Picea spp.		For repeat application make on a		
Yew	Taxus spp.		minimum of a 14 day interval.		
			Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.     Do not make more than 2 applications per acre per year at the 16 fl oz rate. Do not make more than 5 applications per acre per year at the 6 fl oz rate.     Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.		

#### **NON-CROP OR NON-PLANTED AREAS**

The following areas are considered non-crop or non-planted areas: rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways, and post-harvest croplands. Also beneath greenhouse benches and around golf courses.

INSTRUCTIONS FOR GRASS SUPPRESSION IN NON-CROP AREAS WITH SELECT 2 EC HERBICIDE					
GRASS SPECIES WEED STAGE RATE FL OZ/ ACRE					
Annual and perennial grasses that exceed height claimed for control on height chart above.	Up to and including grasses in the seed head stage.	12	16		

**Restriction:** Do not apply as part of a tank mix when applying *Select* 2 EC Herbicide for grass suppression.

Add a crop oil concentrate at 1 qt/A by ground to the finished spray volume.

#### **FALLOW LAND**

#### **DIRECTIONS FOR USE**

Select 2 EC Herbicide may be used to control annual and perennial grasses in land that has been left fallow the previous year and other non-producing agricultural areas. Apply Select 2 EC Herbicide at 6 to 8 fl oz/A for annual grasses and 8 to 16 fl oz/A for perennial grasses. When both grass and broadleaf weeds are the target pest, Select 2 EC Herbicide may be tank mixed with 2,4-D ester or Banvel<sup>®</sup> SGF for broad spectrum control. When both annual and perennial grasses occur in the same field, use a minimum of 8 fl oz/A. Select 2 EC Herbicide rate.

Use a minimum spray volume of 5 gals/A for aerial applications and 15 gals/A for ground applications.

- Apply only to actively growing grasses when the first grass reaches the specified weed height as specified in the Instructions for Annual and Perennial Grasses section of this label.
- Annual grasses that emerge after the Select 2 EC Herbicide application will not be controlled, and a second application may be necessary.
- The control of perennial grasses may require more than 1 application in non-tilled areas.

#### Restrictions

- Do not apply more than 8 fl oz (0.125 lb ai) *Select* 2 EC Herbicide per application to Annual Grasses and 16 fl oz (0.250 lb ai) *Select* 2 EC Herbicide per application to Perennial Grasses.
- Do not exceed 5 applications at the 6 fl oz use rate for Annual Grasses and do not exceed 4 applications at the 8 fl oz rate for Perennial Grasses.
- For repeat applications make on a minimum of a 14 day interval.
- Do not apply more than 32 fl oz (0.500 lb ai) Select 2 EC Herbicide per acre per year.
- Do not plant any crop for 30 days after application unless clethodim is registered for use in that crop.
- Do not apply to grasses that have tillered, formed seedheads or exceeded specified growth stage.
- Do not use flood jet nozzles.
- Do not apply to drought stressed grasses.
- Do not mow area for 2 weeks prior to or after the Select 2 EC Herbicide application.

TABLE 18. SELECT 2 EC HERBICIDE IN TANK MIXES TO CONTROL ANNUAL AND PERENNIAL **GRASSES IN FALLOW LAND** 

PRODUCT	APPLICATION	CROP OIL CONCENTRATE <sup>(2)</sup> (V/V)		
	Annual Grasses	Perennial Grasses	Ground	Air
Select 2 EC Herbicide + 2,4-D ester or Clarity <sup>®</sup> (dicamba)	6 to 8 fl oz + Refer to 2,4-D ester or Clarity label for use rate	8 to 16 fl oz	1%	1%

<sup>(1)</sup>Refer to Select 2 EC Herbicide label for weed height and species control. Review Banvel SGF and

Table 19. SELECT 2 EC HERBICIDE FOR THE CONTROL AND/OR SUPPRESSION OF TALL FESCUE IN NATIVE PRAIRIE WARM-SEASON GRASS RESTORATION PROJECTS

PRODUCT	PRODUCT RATES	GRASS WEEDS CONTROLLED/SUPPRESSED		WEED
		Common Name	Scientific Name	STAGES
Select 2 EC Herbicide	10 to 12 fl oz/A	Tall Fescue	Festuca arundinacea	4 to 6 inches tall (40 to 60% green-up)

Adjuvant: Select 2 EC Herbicide must be applied with crop oil concentrate at 1 qt/A, plus a spray grade ammonium sulfate at 2.5 to 4 lb/A. Recommended Mixing Order: Thoroughly mix spray grade ammonium sulfate (AMS) in water, add Select 2 EC Herbicide, then add crop oil concentrate.

<sup>2,4-</sup>D labels for crop restrictions, use rates and weeds controlled.

(2) Always use a crop oil concentrate or methylated seed oil containing at least 15% emulsifier at the listed rate (but not less than 1 pt/A) in the finished spray volume.

#### SPECIAL APPLICATION INSTRUCTIONS

Burn or mow fields a minimum of 3 weeks prior to application to remove excess crop residue. Apply in the spring, at 40 to 60% tall fescue green-up, prior to emergence of warm-season grasses.

Apply in a minimum of 15 to 20 gals of water per acre at a spray pressure of 40 to 60 PSI at the nozzle. Apply using flat fan or hollow cone nozzles.

Apply only to fields that have warm-season grasses established for 2 years. Applications of *Select* 2 EC Herbicide to emerged warm-season grasses may cause injury.

**NOTE:** Select 2 EC Herbicide applications are most effective if applied when average nighttime temperatures are consistently greater than or equal to 47°F.

#### Restrictions

- Do not mow area for 2 weeks after the Select 2 EC Herbicide application.
- Do not use flood jet nozzles.
- Do not apply to warm-season grasses grown for seed.
- Do not graze treated fields or feed treated forage and or hay to livestock.
- Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

## TABLE 20. SELECT 2 EC HERBICIDE FOR THE SUPPRESSION OF TALL FESCUE SEED-HEADS IN NON-PRODUCING AGRICULTURAL AREAS

Product	Product Rate	Suppression	Application Timing
Select 2 EC	1 1/2 to 2 fl oz/A	Tall Fescue Seed-Heads	(50 to 90% Tall Fescue
Herbicide		( <i>Festuca arundinacea</i> )	green-up)

ADJUVANT: Select 2 EC Herbicide must be applied with crop oil concentrate at 1 qt/A, plus a spray grade ammonium sulfate at 2.5 to 4 lb/A. **Recommended Mixing Order:** Thoroughly mix spray grade ammonium sulfate in water, add Select 2 EC Herbicide, then add crop oil concentrate.

#### **SPECIAL APPLICATION INSTRUCTIONS**

Apply at 50 to 90% tall fescue green-up.

Use the higher Select 2 EC Herbicide rate if less tall fescue green matter is present.

Apply in a minimum of 15 to 20 gals of water per acre at a spray pressure of 40 to 60 psi at the nozzle. Apply using flat fan or hollow cone nozzles. Do not use flood nozzles.

2,4-D ester maybe added to this tank mix for broadleaf control (see 2,4-D ester label for weeds controlled).

#### Restrictions

Do not mow area for two weeks after the Select 2 EC Herbicide application.

Do not graze treated fields or feed treated forage and/or hay to livestock.

Do not plant any crop for 30 days after application, unless clethodim is registered for use in that crop.

SPECIF			ID NUT CROPS S FOR SELECT 2 EC HERBICIDE	
	CROPS		Special Use Instructions	
Common Name	Scientific Name	Per Acre	·	
Apple	Malus spp.	6-8 fl oz	Non-bearing fruit and nut crops are plants	
Berry	Vaccinium spp.	4	which will not bear fruit or nuts for at least one year following <i>Select</i> 2 EC Herbicide	
Charmy Curant	Rubus spp.	4	application.	
Cherry, Sweet Citrus Fruits	Prunus avium	4	application.	
	Citrus spp.	4	Add a non-ionic surfactant containing at	
Grapes Olives	Vitis spp.	-	least 80% active ingredient at the rate of 1	
Peach	Olea spp.  Prunus persica	-	pt per 50 gals (0.25% v/v).	
Peach	·	4	priper de gane (e.ze/e).	
	Prunus opp	-	Use of crop oil concentrate is not advised	
Prunes Stans Fruits	Prunus spp.	-	since it may injure flowers and foliage.	
Stone Fruits Strawberries	Prunus spp.	-		
Tree Nuts	Fragaria spp.	-	Sugar maples cannot be tapped for syrup	
Almond	Prunus triloba	-	within one year of Select 2 EC Herbicide	
Filbert	Corylus maxima	-	application.	
	Carya illinoinensis	-		
Pecan Pistachio	Pistacia vera	-	For repeat application make on a minimum	
Walnut	Juglans spp.	-	of a 14 day interval.	
			crops can occur if <i>Select</i> 2 EC Herbicide is improperly applied. <i>Select</i> 2 EC Herbicide must not be applied directly over the top of these plant types. Instead, direct spray at the base of the plant where grassy weeds are growing near the ground.	
			<ul> <li>Restrictions</li> <li>If Select 2 EC Herbicide is applied as a spot treatment to non-bearing fruit and nut crops, do not exceed the maximum rate allowed on a "per acre" basis.</li> <li>Select 2 EC Herbicide must not be applied to non-bearing fruit or nut crops which are grown for root stock.</li> <li>Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.</li> <li>Do not make more than 4 applications per acre per year.</li> <li>Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.</li> </ul>	

# **NON-CROP OR NON-PLANTED AREAS**

The following areas are considered non-crop or non-planted areas: rights-of-way including railroads, highways, roads, dividers, medians, pipelines, public utility lines, pumping stations, transformer stations and substations. Around airports, electric utilities, commercial buildings, manufacturing plants, storage yards, rail yards, fence lines, parkways, and post-harvest croplands. Also beneath greenhouse benches and around golf courses.

INSTRUCTIONS FOR GRASS SUPPRESSION IN NON-CROP AREAS WITH SELECT 2 EC HERBICIDE				
GRASS SPECIES WEED STAGE RATE HIGH RATE				
Annual and perennial grasses that exceed height claimed for control on height chart above.	Up to and including grasses in the seed head stage.	12	16	

Restriction: Do not apply as part of a tank mix when applying *Select* 2 EC Herbicide for grass suppression.

Add a crop oil concentrate at 1 qt/A by ground to the finished spray volume.

# **DIRECTIONS FOR USE IN ORNAMENTALS**

SPECII	ORNAMENTALS SPECIFIC DIRECTIONS AND RESTRICTIONS FOR SELECT 2 EC HERBICIDE				
Use Rates Per Acre	Special Use Instructions				
6-16 fl oz	For ornamental plant uses, <i>Select</i> 2 EC Herbicide can be used to control labeled grass weeds in greenhouses, lathhouses, shadehouses, and around outdoor ornamentals, including nurseries, parks, roadside plantings, and structure landscapes. The plants listed below have been tested for use with <i>Select</i> 2 EC Herbicide applications. See tables with listed ornamentals (ornamental trees, ground covers, garden flowers and plants, and shrubs.				
	Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).				
	Use of crop oil concentrate is not advised since it may injure flowers and foliage.				
	For repeat application make on a minimum of a 14 day interval.				
	<ul> <li>Restrictions</li> <li>Select 2 EC Herbicide must not be applied to non-bearing fruit or nut crops which are grown for root stock.</li> <li>Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.</li> <li>Do not make more than 2 applications per acre per year.</li> <li>For repeat applications make on a minimum of a 14 day interval.</li> <li>Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.</li> </ul>				

# **IMPORTANT**

Select 2 EC Herbicide successfully controls weeds in newly transplanted and established non-grassy ornamentals. Plant safety to Select 2 EC Herbicide at labeled rates has been found to be acceptable for the indicated genera and species listed below. Due to variability within species, crop growth stage, environmental conditions, and application techniques, it is advised that the user determine if herbicide can be used safely on a few plants prior to widespread application. Neither the seller nor the manufacturer of Select 2 EC Herbicide have investigated the safety factor to ornamental plants not listed on the label.

The following plants have been tested for use with for *Select* 2 EC Herbicide applications:

ORNAMENTAL TREES				
COMMON NAME	SCIENTIFIC NAME			
Alder, Red	Alnus rubra			
Ash	Fraxinus spp.			
Basswood	Tilia spp.			
Birch, European White	Betula pendula			
Birch, River	Betula nigra			
Birch, White	Betula papyrifera			
Crabapple, Flowering	Malus halliana			
Dogwood, Flowering	Cornus florida			
Golden Chain Tree	Laburnum anagyroides			
Maples	Acer spp.			
Mulberry, White	Morus alba			
Oaks	Quercus spp.			
Olive, Wild	Elaeagnus angustifolia			
Redbud, Eastern	Cercis Canadensis			
Sweet Gum, American	n, American Liquidambar styraciflua			

GROUND COVERS				
COMMON NAME	SCIENTIFIC NAME			
Bugleweed, Carpet	Ajuga reptans			
Ivy, English	Hedera helix			
Japanese Spurge	Pachysandra terminalis			
Lilyturf	Liriope muscari			
Moneywort	Lysimachia nummularia			
Mondo Grass, White	Ophiopogon jaburan			
Mondo Grass Dwarf	Ophiopogon japonicus			
Periwinkle, Lesser	Vinca minor			

GARDEN FLOWERS AND PLANTS				
COMMON NAME SCIENTIFIC NAME				
Ageratum	Ageratum spp.			
Alyssum*,Sweet	Lobularia maritima			
Asparagus Fern	Asparagus setaceus			
Bleeding Heart	Dicentra spectabilis			
Cast Iron Plant	Aspidistra elatior			
Chrysanthemum	Chrysanthemum spp.			
Cinquefoil	Potentilla spp.			
Coleus	Coleus spp.			
Coralbells	Heuchera sanguinea			
Cranesbill	Geranium spp.			
Dahlia	Dahlia spp.			
Daisy, Trailing African	Osteospermum fruticosum			
Daylily	Hemerocallis spp.			
Dusty Miller	Senecio cineraria			
Euonymus	Euonymus spp.			
Gazania	Gazania spp.			
Geranium, House	Pelargonium hortorum			
Heather, False	Cuphea hyssopifolia			
Hosta	Hosta fortunei			
Iris	Iris spp.			
Jasmine Tobacco	Nicotiana alata			
Loosestrife	Lythrum salicaria			
Marigold	Tagetes spp.			
Partridgeberry	Mitchella repens			
Petunia*	Petunia hybrida			
Phlox	Phlox spp.			
Pinks	Dianthus spp.			
Portulaca	Portulaca grandiflora			
Salvia	Salvia spp.			
Saxifrage	Saxifraga spp.			
Sedum	Sedum spp.			
Selloum	Philodendron selloum			
Snapdragon*	Antirrhinum majus			
Sweet Flag	Acorus gramineus			
Tickseed	Coreopsis grandiflora			
Touch-Me-Not	Impatiens spp.			
Verbena	Verbena spp.			
Violet	Viola spp.			
Yarrow, Common	Achillea millefolium			
Zinnia	Zinnia elegans			

<sup>\*</sup>Slight foliage or flower speckling has been observed on these species.

SHRUBS				
COMMON NAME	SCIENTIFIC NAME			
Abelia	Abelia spp.			
Anise, Purple	Illicium floridanum			
Aucuba	Aucuba spp.			
Azalea*	Rhododendron spp.			
Bamboo	Bambusa spp.			
Barberry, Japanese	Berberis thunbergii			
Barberry, Magellan	Berberis buxifolia			
Bayberry	Myrica pensylvanica			
Bottlebrush	Callistemon citrinus			
Boxwood, Common	Buxus sempervirens			
Camellia, Common	Camellia japonica			
Candytuft	Iberis sempervirens			
Cleyera	Cleyera japonica			
Coralberry	Ardisia crenata			
Crape Myrtle	Lagerstroemia indica			
Coyote Brush	Baccharis pilularis			
Fig, Creeping	Ficus pumila			
Gardenia	Gardenia spp.			
Holly	llex spp.			
Honeysuckle	Lonicera spp.			
Indian Hawthorn	Raphiolepis indica			
Jasmine	Jasminum spp.			
Jasmine, Asiatic	Trachelospermum asiaticum			
Jasmine, Star	Trachelospermum jasminoides			
Juniper	Juniperus spp.			
Lantana	Lantana spp.			
Nandina* Bamboo, Heavenly	Nandinia domestica			
Oleander, Common	Nerium oleander			
Oregon Grape	Mahonia aquifolium			
Photinia	Photinia spp.			
Pittosporum	Pittosporum spp.			
Podocarpus	Podocarpus spp.			
Privet	Ligustrum spp.			
Pyracantha	Pyracantha spp.			
Rhododendron	Rhododendron spp.			
Rose	Spiraea bumalda			
Sweet Olive	Osmanthus fragrans			
Viburnum	Viburnum tinus			
Wisteria	Wisteria spp.			
Yellow Sage/Shrub Verbena	Lantana camara			

<sup>\*</sup>Slight foliage or flower speckling has been observed on these species.

# **INSTRUCTIONS FOR ANNUAL GRASSES IN ORNAMENTALS**

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.

Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

GRASS SPECIES	SCIENTIFIC NAME	WEED* HEIGHT INCHES	RATE FL OZ/ACRE <sup>(1)</sup>	HIGH RATE <sup>(2)</sup>	
Barnyardgrass	Echinochloa crus-galli	2 to 8	8	16	
Broadleaf Signalgrass	Brachiaria platyphylla	2 to 6	8	16	
Brome		•	•	•	
California	Bromus carinatus	2 to 6	8	16	
Cheat	Bromus secalinus	2 to 6	8	16	
Downy	Bromus tectorum	2 to 6	8	16	
Ripgut	Bromus diandrus	2 to 6	8	16	
Canarygrass	Phalaris canariensis	1 to 4	8	16	
Crabgrass					
Hairy	Digitaria adscendens	2 to 6**	8	16	
Large	Digitaria sanguinalis	2 to 6**	8	16	
Smooth	Digitaria ischaemum	2 to 6**	8	16	
Southern	Digitaria ciliaris	2 to 6**	8	16	
Crowfootgrass	Dactyloctenium aegyptium	2 to 6**	8	16	
Fall Panicum	Panicum dichotomiflorum	2 to 8	8	16	
Field Sandbur	Cenchrus incertus	2 to 6	8	16	
Foxtail				1	
Giant	Setaria faberi	2 to 12	8	16	
Green	Setaria viridis	2 to 8	8	16	
Yellow	Setaria glauca	2 to 8	8	16	
Goosegrass	Eleusine indica	2 to 6**	8	16	
Itchgrass	Rottboellia cochin	2 to 6	8	16	
Junglerice	Echinochloa colona	2 to 6	8	16	
Lovegrass (Stinkgrass)	Eragrostis cilianensis	2 to 6	8	16	
Rabbitsfootgrass	Polypogon monspeliensis	1 to 4	8	16	
Red Rice	Oryza sativa	1 to 3	8	16	
Rygrass	Oryza Saliva	1 10 0	0	10	
Hardy	Lolium remotum	2 to 6	8	16	
Italian	Lolium multiflorum	2 to 6	8	16	
Seedling Johnsongrass	Sorghum halepense	4 to 10	8	16	
Shattercane	Sorghum bicolor	6 to 18	8	16	
Southwestern Cupgrass	Eriochloa gracilis	2 to 6	8	16	
Sprangletop	Enocinoa gracilis	2 10 0	0	10	
Amazon	Leptochloa panicoides	2 to 6	8	16	
Bearded	Leptochioa fascicularis	2 to 6	8	16	
Mexican	Leptochloa uninervia	2 to 6	8	16	
Red	Leptochloa filiformis	2 to 6	8	16	
Texas Panicum	Panicum texanum	2 to 6	8	16	
Volunteer Cereals	T amcam texanam	2 10 0	0	10	
Barley	Hordeum vulgare	2 to 6	8	16	
Oats	Avena sativa	2 to 6	8	16	
Rye	Secale cereale	2 to 6	8	16	
Wheat	Triticum aestivum	2 to 6	8	16	
Volunteer Corn	Zea mays	4 to 12	6	8	
Volunteer Corn	Zea mays	12 to 24	8	16	
Volunteer Grain Sorghum	Sorghum bicolor	8 to 12	8	16	
Wild Oats	Avena fatua	2 to 6	8	16	
Wild Proso Millet	Panicum miliaceum	2 to 10	8	16	
			8	16	
Witchgrass	Panicum capillare	2 to 8			
Woolly Cupgrass	Eriochloa villosa	2 to 8	8	16	

<sup>\*</sup>Generally occurs between 3-leaf stage and tillering.

Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).

<sup>\*\*</sup>Length of lateral growth.

(1)8 fl oz/A (0.125 lb ai/A) = approximately 0.2 fl oz/1000 sq ft

(2)16 fl oz/A (0.250 lb ai/A) = approximately 0.4 fl oz/1000 sq ft

# INSTRUCTIONS FOR ANNUAL BLUEGRASS CONTROL WITH SELECT 2 EC HERBICIDE IN ORNAMENTALS

OLLEGI LE TILINGIO DE TIN	OTTO MINE IT I THE		
GRASS SPECIES	WEED STAGE	RATE FL OZ/ ACRE	HIGH RATE
Annual Bluegrass (Poa annua)	to 4-leaf	6	16

Apply under favorable soil moisture and humidity that exists within a few days after rainfall or within 7 days after irrigation. Grass needs to be actively growing at time of application(s).

Apply at weed stage indicated on the label, as reduced control can be expected with more mature annual bluegrass.

Use the high rate under heavy grass pressure and/or when annual bluegrass is more mature.

Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v).

# Restrictions

- Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.
- Do not make more than 2 applications per acre per year.
- For repeat applications make on a minimum of a 14 day interval.
- Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

# INSTRUCTIONS FOR PERENNIAL GRASSES WITH SELECT 2 EC HERBICIDE IN ORNAMENTALS

Apply only to actively growing grasses at specified weed heights.

- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

#### Restrictions

- Do not apply more than 16 fl oz (0.250 lb ai) per acre per application.
- Do not make more than 2 applications per acre per year.
- For repeat applications make on a minimum of a 14 day interval.
- Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

GRASS SPECIES	WEED HEIGHT (inches)	RATE FL OZ/ ACRE <sup>(1)</sup>	HIGH RATE <sup>(2)</sup>
Bermudagrass (Cynodon dactylon)			
First Application	3 (or up to 6" runners)	8	16
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8	16
Quackgrass (Elytrigia repens)			
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16
Rhizome Johnsongrass (Sorghum halepense)			
First Application	12 to 24	8	16
Repeat Application(s) (if regrowth occurs)	6 to 18	6	8
Wirestem Muhly (Muhlenbergia frondosa)			
First Application	4 to 8	8	16
Repeat Application(s) (if regrowth occurs)	4 to 8	8	16

 $<sup>^{(1)}</sup>$ 8 fl oz/A (0.125 lb ai/A) = approximately 0.2 fl oz/1000 sq ft

Add a non-ionic surfactant containing at least 80% active ingredient at the rate of 1 pt per 50 gals (0.25% v/v)

 $<sup>^{(2)}</sup>$ 16 fl oz/A (0.250 lb ai/A) = approximately 0.4 fl oz/1000 sq ft

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

#### **PESTICIDE STORAGE**

Keep pesticide in original container.

Do not put concentrate or dilute into food or drink containers.

Store in cool, dry place.

Do not store diluted spray.

**Emergency Response:** For help with any spill, leak, fire or exposure involving this material, call day or night 800-892-0099.

#### **PESTICIDE DISPOSAL**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

#### **CONTAINER HANDLING**

[For 1 Gallon container]

[Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

#### [For 15 gallon container]

[Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

#### DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

#### **RISKS OF USING THIS PRODUCT**

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance, or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

#### LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

#### LIMITATION OF LIABILITY

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

#### PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law if Buyer does not notify Valent of any claims in such period, it shall be barred from obtaining any remedy.

#### **NO AMENDMENTS**

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

#### TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Always read and follow the restrictions and limitations for all products whether used alone or in a tank mix. The most restrictive labeling of any product used applies in tank mixtures, including all crop rotational and other crop restrictions.

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# Asana and Danitol are restricted use pesticides.

Manufactured for: **Valent U.S.A. LLC** P.O. Box 8025 Walnut Creek, CA 94596-8025 www.valent.com

Made in U.S.A.

EPA Reg. No. 59639-3 EPA Est. No.

059639.00003.20180423.SEL\_2\_EC.IR4.NutsOkra.Clean

# THE VALENT RETURNABLE KEG

Description: This keg is a closed-system, refillable container designed for easy handling and convenient dispensing of product with no container disposal.

**Construction:** The keg is made of all stainless steel. Both the gaskets and seals are Viton and are compatible with the Valent product.

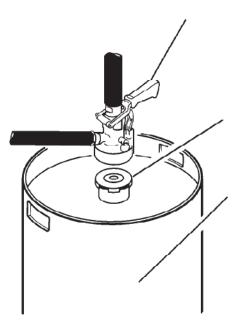
**Pump System:** With the versatility of the keg, either a mechanical pump or an air pressure system may be used to dispense the product.

**Coupler:** A specific dry-disconnect coupler is required for dispensing product from the keg. This coupler is available through local agricultural equipment suppliers.

Container Capacity: 15 gallons or 56.7 liters (by weight)

#### **ATTENTION!**

This is a closed-system container. Do not try to remove the valve from the keg. The coupler required for removal of product is available from local agricultural equipment suppliers. The keg contains tamper evident seals that, if broken, will incur a fee for the user of the keg. Both the coupler and the valve are designed for one-way operation only. Never try to pump any type of material back into the keg.



#### **DIRECTIONS FOR USE**

The proper coupler must be attached and engaged before removing any product from the keg. Either a mechanical pump or an air pressure system may be used and connected to the 1-inch NPT thread on the top of the coupler.

**IMPORTANT!** Attach a hose or pump to the coupler before engaging coupler. This will prevent the user from being splashed in the event that pressure build-up in the keg forces liquid up through the coupler.

#### To attach and engage the coupler:

- 1. Pull top of black dust cover back to expose head of valve. The bottom ring of the black dust cover will still be attached to the neck of the valve. Save the dust cover for reuse when returning keg.
- 2. Before engaging the coupler, securely attach a hose or pump to the threaded connection.
- 3. Twist coupler onto valve on keg and engage coupler by pulling handle straight out to unlock and then pushing handle down into lower position to open internal valve. Handle will automatically lock in place.
- **4.** Secure and engage coupler by pulling handle straight out to unlock and then pushing handle down into lower position to open internal valve. Handle will automatically lock in place.
- **5.** You are now ready to begin the pumping operation.

#### To remove coupler from container:

- **1.** Release coupler by pulling handle straight out to unlock and then lifting handle into upper position. Handle will automatically lock in place.
- 2. Lift coupler from keg. As coupler clears top of valve, pull coupler sideways and lift it off the valve.
- 3. Wipe valve off and replace dust cover.
- 4. Flush coupler with water.
- **5.** Wipe coupler and store in a clean place.
- **6.** Properly dispose of cleaning towels and rinsate.

# **RETURNING KEGS**

Clean the outside of the keg with water or soap before returning the keg to the distributor. Leave all Valent product labels and stickers securely attached. All Valent product labels, stickers and other information must remain on the keg in order to comply with both State and Federal regulations.

All Valent kegs are tracked using the individual keg serial number stamped in the top of the keg. Distributors are responsible for these kegs that have been assigned to them. Return this keg to the distributor from which it was purchased. Notify the distributor if the keg cannot be returned by the specific time.

Valent U.S.A. LLC

P.O.Box 8025

Walnut Creek, CA 94596-8025

# **Supplemental Label**



# SELECT® 2 EC HERBICIDE

EPA Reg. No. 59639-3

APPLICATION OF SELECT® 2 EC HERBICIDE IN BRASSICA HEAD AND STEM VEGETABLE CROP GROUP 5-16; BRASSICA LEAFY GREENS SUBGROUP 4-16B; LEAF PETIOLE VEGETABLES SUBGROUP 22B; LEAFY GREENS SUBGROUP 4-16A; OKRA; ONION, GREEN SUBGROUP 3-07B; STALK AND STEM VEGETABLE SUBGROUP 22A; TREE NUTS CROP GROUP 14-12 AND WATERCRESS.

This supplemental label expires May 23, 2021 and must not be used or distributed after this date.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION. READ THE LABEL AFFIXED TO THE CONTAINER FOR SELECT 2 EC HERBICIDE BEFORE APPLYING. USE OF SELECT 2 EC HERBICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR SELECT 2 EC HERBICIDE.

# **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Brassica Head and Stem Vegetable Crop Group 5-16 including:	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.
Broccoli Brussels sprouts Cabbage Cabbage, Chinese (napa) Cauliflower cultivars, varieties and/or hybrids of these commodities				Restrictions     Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.     Do not apply more than 4 applications per acre per year.     Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Brassica Leafy Greens Subgroup 4-16B (except Radish Leaves, Turnip Greens and Watercress) including: Arugula Broccoli, Chinese Broccoli Raab Cabbage, Abyssinian Cabbage, Chinese (bok choy) Cabbage, Seakale Collards Cress, Garden Cress, Upland Hanover Salad Kale Maca (leaves) Mizuna Mustard Greens Rape Greens Rocket, Wild Shepherd's Purse cultivars, varieties, and/or hybrids of these commodities	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not apply more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Leaf Petiole vegetables Subgroup 22B including: Cardoon Celery Celery, Chinese Fuki Rhubarb Udo Zuiki cultivars, varieties, and/or hybrids of these commodities Leafy Greens	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  For repeat applications make on a
Subgroup 4-16A including: Amaranth, Chinese Amaranth, Leafy Aster, Indian Blackjack Cat's Whiskers Cham-chwi Cham-na-mul Chervil (fresh leaves) Chipilin Chrysanthemum, Garland Cilantro (fresh leaves) Corn Salad Cosmos Dandelion (leaves) Dang-gwi (leaves) Dillweed Dock Dol-nam-mul Ebolo Endive Escarole Fameflower Feather Cockscomb Good King Henry Huauzontle Jute (leaves) Lettuce, Bitter Lettuce, Head Lettuce, Leaf Orach Parsley (fresh leaves) Plantain, Buckhorn Primrose, English Purslane, Garden Purslane, Winter Radicchio Spinach Spinach, Malabar Spinach, New Zealand Spinach, Tanier Swiss Chard Violet, Chinese (leaves) Cultivars, varieties, and/or hybrids of these commodities			finished spray volume.	minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz/ (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Okra	3 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.
Onion, Green Subgroup 3-07B including: Chive (fresh leaves) Chive, Chinese   (fresh leaves) Elegans Hosta Fritillaria (leaves) Kurrat Lady's Leek Leek Leek Leek, Wild Onion, Beltsville   (bunching) Onion (fresh) Onion, Green Onion, Macrostem Onion, Tree (tops) Onion, Welsh (tops) Shallot (fresh leaves) Cultivars, varieties, and/or hybrids of these commodities.	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz (0.500 lb ai) per acre per year.  For air applications to onion, do not exceed 8 fl oz/A in a single application.  In California for air applications to onion, do not exceed 2 applications per year.  If Select 2 EC Herbicide is applied as a spot treatment to onion or garlic, do not exceed the maximum rate allowed on a "per acre" basis.  In California, do not apply Select 2 EC Herbicide to onion or garlic until the crop has at least two full leaves. Use a 14 day spray interval between the application of Select 2 EC Herbicide and liquid nitrogen or other herbicide applications. Injury to crop may occur when shorter intervals are observed.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Stalk and Stem Vegetable Subgroup 22A including: Agave Aloe Vera Asparagus Bamboo Shoots Celtuce Fennel, Florence (fresh leaves and stalk) Fern, Fiddlehead (edible) Kale, Sea Kohlrabi Palm Hearts Prickly Pear (pads) Prickly Pear, Texas (pads) cultivars, varieties, and/or hybrids of these commodities	1 day	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz (0.125 lb ai) per acre per application.  Do not make more than 2 applications per acre per year.  Do not apply more than 16 fl oz (0.250 lb ai) per acre per year.

	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Tree Nuts Crop Group 14-12 including: African Nut-tree Almond Beechnut Brazil Nut Brazilian Pine Bunya Bur Oak Butternut Cajou Nut Candlenut Cashew Chestnut Chinquapin Coconut Coquito Nut Dika Nut Ginkgo Guiana Chestnut Hazelnut (Filbert) Heartnut Hickory Nut Japanese Horse- chestnut Macadamia Nut Mongongo Nut Monkey-pot Monkey-pot Monkey Puzzle Nut Okari Nut Pachira Nut Pecan Pequi Pili Nut Pistachio Sapucaia Nut Tropical Almond Walnut, Black Walnut, English Yellowhorn Cultivars, varieties, and/or hybrids of these.	14 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  • Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  • Do not make more than 4 applications per acre per year.  • Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.

Crops <sup>(1)</sup>	Minimum Time From Application to Harvest (PHI)	Use Rates Per Acre	Crop Oil Concentrate Rates Per Acre <sup>(2)</sup>	Special Use Instructions
Watercress	30 days	6-8 fl oz	1% v/v in the finished spray volume.	For repeat applications make on a minimum of a 14 day interval.  Restrictions  Do not apply more than 8 fl oz/A (0.125 lb ai/A) in a single application.  Do not make more than 4 applications per acre per year.  Do not apply more than 32 fl oz/A (0.500 lb ai/A) per year.  Do not apply when watercress is under flood conditions.  Do not apply Select 2 EC Herbicide when water for at least 24 hours after an application.

Select 2 EC Herbicide is not to be used on vegetable crops being grown for seed production unless specific use directions are provided.

Acceptable crop oil concentrates would be those which contain a minimum of 80% oils and 15% emulsifier. A crop oil concentrate must contain either a petroleum or vegetable oil base and must meet all the following criteria: be non-phytotoxic, contain only EPA-exempt ingredients, provide good mixing quality and be successful in local experience. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. See the Addition of Adjuvant and Crop Oil Concentrate section for further information.

# **INSTRUCTIONS FOR ANNUAL GRASSES**

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

# Restrictions

- Do not exceed the maximum rate per application listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.
- Do not exceed the maximum number of applications per year listed in Table 1, Crop Specific Use Directions and Restrictions for Select 2 EC Herbicide.
- Do not exceed the maximum yearly rate listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT* (inches)	RATE FL OZ/ ACRE	HIGH RATE <sup>(1)</sup>
Barnyardgrass	Echinochloa crus-galli	2 to 8	6	8
Broadleaf Signalgrass	Brachiaria platyphylla	2 to 6	6	8
Brome				
California	Bromus carinatus	2 to 6	6	8
Cheat	Bromus secalinus	2 to 6	6	8
Downy	Bromus tectorum	2 to 6	6	8
Ripgut	Bromus diandrus	2 to 6	6	8
Canarygrass	Phalaris canariensis	1 to 4	6	8
Crabgrass				
Hairy	Digitaria adscendens	2 to 6**	6	8
Large	Digitaria sanguinalis	2 to 6**	6	8
Smooth	Digitaria ischaemum	2 to 6**	6	8
Southern	Digitaria ciliaris	2 to 6**	6	8
Crowfootgrass	Dactyloctenium aegyptium	2 to 6**	6	8
Fall Panicum	Panicum dichotomiflorum	2 to 8	6	8
Field Sandbur	Cenchrus incertus	2 to 6	6	8
Foxtail				
Giant	Setaria faberi	2 to 12	6	8
Green	Setaria viridis	2 to 8	6	8
Yellow	Setaria glauc	2 to 8	6	8
Goosegrass	Eleusine indica	2 to 6**	6	8
Itchgrass	Rottboellia cochinchinensis	2 to 6	6	8
Junglerice	Echinochloa colona	2 to 6	6	8
Lovegrass (Stinkgrass)	Eragrostis cilianensis	2 to 6	6	8
Rabbitsfootgrass	Polypogon monspeliensis	1 to 4	6	8
Red Rice	Oryza sativa	1 to 3	6	8
Ryegrass				
Hardy	Lolium remotum	2 to 6	6	8
Italian	Lolium multiflorum	2 to 6	6	8
Seedling Johnsongrass	Sorghum halepense	4 to 10	6	8
Shattercane	Sorghum bicolor	6 to 18	6	8
Southwestern Cupgrass	Eriochloa gracilis	2 to 6	6	8

continued

# **INSTRUCTIONS FOR ANNUAL GRASSES** (continued)

GRASS SPECIES	SCIENTIFIC NAME	WEED HEIGHT (inches)*	RATE FL OZ/ ACRE	HIGH RATE <sup>(1)</sup>
Sprangle top				
Amazon	Leptochloa panicoides	2 to 6	6	8
Bearded	Leptochloa fascicularis	2 to 6	6	8
Mexican	Leptochloa uninervia	2 to 6	6	8
Red	Leptochloa filiformis	2 to 6	6	8
Texas Panicum	Panicum texanum	2 to 6	6	8
Volunteer Cereals <sup>(2)</sup>				
Barley	Hordeum vulgare	2 to 6	6	8
Oats	Avena sativa	2 to 6	6	8
Rye	Secale cereale	2 to 6	6	8
Wheat	Triticum aestivum	2 to 6	6	8
Volunteer Corn <sup>(3)</sup>	Zea mays	4 to 12	4	6
Volunteer Corn <sup>(3)</sup>	Zea mays	12 to 24	6	8
Volunteer Corn (S.R.) <sup>(4)</sup>	Zea mays	4 to 12	8 (suppression only)	
Volunteer Grain Sorghum	Sorghum bicolor	8 to 12	6	8
Wild Oats	Avena fatua	2 to 6	6	8
Wild Proso Millet	Panicum miliaceum	2 to 10	6	8
Witchgrass	Panicum capillare	2 to 8	6	8
Woolly Cupgrass	Eriochloa villosa	2 to 8	6	8

<sup>\*</sup> Generally occurs between 3-leaf stage and tillering.

\*\* Length of lateral growth.

<sup>(1)</sup> Rates higher than 8 fl oz/A (0.125 lb ai/A) may be applied in certain geographic areas, cropping situations, or environmental conditions, where experience has shown that higher rates are needed for satisfactory control of annual grasses. In these situations, rates from 8 to 16 fl. oz/A (0.125 to 0.250 lb ai/A) may be applied.

#### INSTRUCTIONS FOR PERENNIAL GRASSES

- Apply only to actively growing grasses at specified weed heights.
- Apply when the first grass weed species in a mixed grass weed population reaches the specified growth stage for treatment.
- Use the high rate under heavy grass pressure and/or when grasses are at maximum height.

#### Restrictions

- Do not exceed the maximum application rate listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.
- Do not exceed the maximum number of applications per year listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.
- Do not exceed the maximum yearly rate listed in Table 1, Crop Specific Use Directions and Restrictions for *Select* 2 EC Herbicide.

GRASS SPECIES	WEED HEIGHT (inches)	RATE FL OZ/ ACRE
Bermudagrass (Cynodon dactylon)		
First Application	3 (or up to 6" runners)	8
Repeat Application(s) (if regrowth occurs)	3 (or up to 6" runners)	8
Fescue, Tall (Festuca arundinacea)		
First Application	4 to 8	8
Repeat Application(s) (if regrowth occurs)	4 to 8	8
Foxtail Barley (Hordeum jubatum)		
First Application	2 to 6	8
Repeat Application(s) (if regrowth occurs)	2 to 6	8
Orchardgrass (Dactylis glomerata)		
First Application	4 to 8	8
Repeat Application(s) (if regrowth occurs)	4 to 8	8
Quackgrass* (Elytrigia repens)		
First Application	4 to 12	8
Repeat Application(s) (if regrowth occurs)	4 to 12	8
Rhizome Johnsongrass (Sorghum halepense)		
First Application	12 to 24	8
Repeat Application(s) (if regrowth occurs)	6 to 18	6
Wirestem Muhly (Muhlenbergia frondosa)		
First Application	4 to 8	8
Repeat Application(s) (if regrowth occurs)	4 to 8	8
Perennial Bluegrass*		
Roughstalk (Poa trivialis)		
Kentucky (Poa prantensis)		
First Application	2 to 4	8
Repeat Application(s) (if regrowth occurs)	2 to 4	8
Bentgrass* (Agrostis spp.)		
First Application	2 to 4	-
Repeat Application(s) (if regrowth occurs)	2 to 4	-

<sup>\*</sup>Control of quackgrass, perennial bluegrass and bentgrass with Select 2 EC Herbicide may be enhanced by adding Ammonium Sulfate (AMS) at 2.5 to 4.0 lb/A

#### TANK MIXES INFORMATION

It is the pesticide users's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture, including all crop rotational and other crop restrictions. Those concerns may include, but are not limited to:

- 1. Geographic restrictions all products are not registered for use in all areas and rates may vary from one region of labeled use to another;
- 2. Crop rotation restrictions;
- 3. Applicator certification requirements;
- 4. Worker safety rules (e.g. protective clothing, reentry time, posting);
- 5. Soil type or soil characteristics (e.g. pH, OM);
- 6. Maximum dosage or number of applications per season year;
- 7. Rain free period required; or
- 8. Application timing (e.g. pre-harvest interval)
- 9. Do not exceed the total yearly rates.

# TANK MIX APPLICATION OF SELECT 2 EC HERBICIDE AND BROADLEAF HERBICIDES FOR CONTROL OF GRASSES AND BROADLEAF WEEDS

- Apply only to actively growing grass and broadleaf weeds at specified height or growth stage listed on each label.
- Apply when the first grass or broadleaf weed species in a mixed population reaches the specified height
  or growth stage for treatment.
- Apply under favorable soil moisture and humidity that exist a few days after rainfall or within seven days after irrigation.
- Always add the appropriate adjuvant to the spray mix at the rate prescribed for each specific tank mix combination.
- Tank mix applications may sometimes result in reduced grass control and possible increases in crop
  injury as compared to either product used alone. If regrowth occurs, or an additional flush of new grass
  emerges, make a second application of Select 2 EC Herbicide, as specified in the respective size and rate
  tables.
- Do not tank mix *Select* 2 EC Herbicide when broadleaf weeds are tall and/or dense enough to prevent proper grass coverage.

#### MIXING INSTRUCTIONS

- 1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
- 2. While agitating, add the correct amount of *Select* 2 EC Herbicide. Agitation should create a rippling or rolling action on the water surface.
- 3. If tank mixing *Select* 2 EC Herbicide with other labeled herbicides, add water soluble bags first, followed by dry formulations, flowables, emulsifiable concentrates, and then solutions. Prepare no more spray mixture than is required for the immediate spray operation.
- 4. Add any required adjuvants (crop oil concentrate, non-ionic surfactant and/or nitrogen solution).
- 5. Fill spray tank to desired level with water. **Agitation should continue until all spray solution has been applied.**

Failure to agitate the spray solution may result in improper mixing of the herbicides and unsatisfactory weed control. Mixing and compatibility qualities should be verified by a jar test.

# PLEASE CONTACT VALENT U.S.A. LLC AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

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